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SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

PORTLAND IAP, OR

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723

MAY 1991



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II

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11. SUPPLEMENTARY NOTES: EFFECTIVE JULY 1 1988, THIS PRODUCT REPLACED TWO USAFETAC DOCUMENTS FORMERLY KNOWN AS THE REVISED UNIFORM SUMMARY OF SURFACE OBSERVATIONS (RUSSWO) AND THE LIMITED SURFACE OBSERVATIONS CLIMATIC SUMMARY (LISOCs). EXISTING RUSSWOS AND LISOCs WILL CONTINUE IN USE, BUT WILL EVENTUALLY BE BY A SOCS.
- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: JAN 81 - DEC 90 (AIRWAYS).

SUMMARY OF DAY DATA: JAN 26 - DEC 89 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
FTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY 726980	STATION NAME PORTLAND IAP, OR	LATITUDE N 45 36	LONGITUDE W 122 36	FLD ELEV (FT) 23	CALL SIGN PDX	WMO NMBR 72698
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STATION LOCATION AND INSTRUMENTATION HISTORY									
Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location		LATITUDE	LONGITUDE	Elev Above MSL		OBS PER DAY
			From	To			FLD (FT)	BARO (FT)	
1	Portland IAP, OR	NWS	Jan 48	Feb 62	N 45 36	W 122 36	22	27	24
2	Same	NWS	Mar 63	Jan 89	Same	Same	23	Same	24

Nmbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 48	On control tower	3-cup Anemometer	None	62 ft	
2	Feb 49	Roof of office	F420	None	33 ft	
3	Aug 58	1/4mi ssw airport center	F420C	F312	20 ft	
4	Oct 63	1.1/4mi SSE on field	F420C	Same	25 ft	
		2.Same	F005		25 ft	
5	Jan 89	1.Same	Same	Same	Same	
		2.Same	Same		Same	

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTTT	AAAAAA
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	AAAAAAA
PP PP	AA AA	RR RR	TT	AA AA
PP PP	AA AA	RR RR	TT	AA AA
PPPPPPPP	AA AA	RRRRRRRR	TT	AA AA
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	AAAAAAAAA
PP	AAAAAAAAA	RR RR	TT	AAAAAAAAA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA
PP	AA AA	RR RR	TT	AA AA

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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		20.2	.3	.6		21.2	17.5	.1			38.8	930
03-05		23.0	.1	.5		23.7	20.3	.1			44.1	930
06-08		20.8	.3	1.2		22.3	22.4				44.6	930
09-11		18.5	.4	1.0		19.9	21.1	.4			41.4	930
12-14		21.0		.3		21.3	14.2	1.0			36.5	930
15-17		23.2		.1		23.3	9.9	1.1			34.3	930
18-20		23.7		.6		24.3	9.0	.5			33.9	930
21-23		22.2		1.1		23.2	12.8				36.0	930
ALL HOURS		21.6	.1	.7		22.4	15.9	.4			38.7	7440

MONTH: FEB

00-02	.1	20.8		3.1		23.9	11.8	.4			36.1	846
03-05		21.0	.2	3.3		24.6	16.2	.4			41.1	846
06-08		22.9	.5	2.8		26.2	20.7	.2			47.2	846
09-11		21.3	.2	3.2		24.7	18.4	.5			43.6	846
12-14		21.2		1.4		22.6	10.5	.9			34.0	846
15-17		22.7		.9		23.6	7.3	1.7			32.6	846
18-20		21.5		.8		22.3	6.9	.5			29.7	846
21-23	.1	20.6		2.1		22.7	6.9	.1			29.7	846
ALL HOURS	.0	21.5	.1	2.2		23.8	12.3	.6			36.7	6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		19.6		.3		19.9	3.8				23.7	930
03-05		22.5				22.5	6.8	.3			29.6	930
06-08		20.5		.2		20.8	12.2	.4			33.3	930
09-11		18.6				18.6	9.9	.6			29.1	930
12-14	.1	21.6		.8		22.4	4.4				26.8	930
15-17	.1	24.3		.2		24.5	3.9	.2			28.6	930
18-20		22.3		.4		22.7	3.1				25.8	930
21-23		18.1		.3		18.4	1.9				20.3	930
ALL HOURS	.0	20.9		.3		21.2	5.7	.2			27.2	7440

MONTH: APR

00-02		12.6				12.6	2.7				15.2	900
03-05		14.8				14.8	6.2				21.0	900
06-08		15.2				15.2	11.9	.1			27.2	900
09-11		15.1				15.1	5.3	.9			21.3	900
12-14	.1	17.4				17.4	1.6				19.0	900
15-17	.6	16.2				16.2	1.1	.1			17.4	900
18-20	.1	14.4				14.4	1.3				15.8	900
21-23		14.7				14.7	1.3				16.0	900
ALL HOURS	.1	15.1				15.1	3.9	.1			19.1	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		9.8				9.8	.3				10.1	930
03-05		14.9				14.9	2.2				17.1	930
06-08		14.7				14.7	3.7				18.4	930
09-11	.1	12.3				12.3	1.0	.1			13.3	930
12-14	.4	11.5				11.5	1.0				12.5	930
15-17	.3	12.4				12.4	.8	.2			13.3	930
18-20	.4	12.7				12.7	.5				13.2	930
21-23	.2	9.0				9.0	.2				9.2	930
ALL HOURS	.2	12.2				12.2	1.2	.0			13.4	7440

MONTH: JUN

00-02		8.3				8.3	2.0	.3			10.7	900
03-05		12.3				12.3	2.8	.4			15.6	900
06-08		11.4				11.4	4.1				15.6	900
09-11		7.7				7.7	2.1	.4			10.2	900
12-14	.2	9.4				9.4	.7				10.1	900
15-17		9.1				9.1	.7	.2			10.0	900
18-20	.2	9.4				9.4	1.8				11.2	900
21-23		10.7				10.7	1.6	.1			12.3	900
ALL HOURS	.1	9.8				9.8	2.0	.2			12.0	7200

A - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02	.6	4.0				4.0	.3				4.3	930
03-05	.2	4.7				4.7	1.9	.2			6.9	930
06-08		4.2				4.2	4.5	1.0			9.7	930
09-11	.2	5.5				5.5	1.8	.5			7.8	930
12-14	.1	4.6				4.6	.3				4.9	930
15-17	.1	4.0				4.0	.2	.2			4.4	930
18-20		3.3				3.3	.4				3.8	930
21-23	.3	2.6				2.6	.3				2.9	930
ALL HOURS	.2	4.1				4.1	1.2	.2			5.6	7440

MONTH: AUG

00-02		3.1				3.1	.4				3.5	930
03-05	.2	3.3				3.3	1.8	.1			5.3	930
06-08	.1	3.2				3.2	6.9	.4			10.5	930
09-11	.1	3.3				3.3	3.1	.6			7.1	930
12-14	.1	3.9				3.9	1.3	.4			5.6	930
15-17	.2	3.2				3.2	.1	.2			3.5	930
18-20	.1	3.1				3.1	.9	.1			4.1	930
21-23		2.6				2.6	.4	.1			3.1	930
ALL HOURS	.1	3.2				3.2	1.9	.3			5.3	7440

A - 2 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		6.9				6.9	3.1	.3			10.3	900
03-05		6.6				6.6	7.4	.3			14.3	900
06-08		7.6				7.6	16.9	2.0			26.4	900
09-11		6.1				6.1	7.9	3.1			17.1	900
12-14	.2	7.6				7.6	1.8	.7			10.0	900
15-17	.2	7.1				7.1	.7	1.0			8.8	900
18-20	.2	6.6				6.6	1.4	.2			8.2	900
21-23		6.0				6.0	.7	.7			7.3	900
ALL HOURS	.1	6.8				6.8	5.0	1.0			12.8	7200

MONTH: OCT

00-02		9.8				9.8	16.0	.6			26.5	930
03-05		12.3				12.3	27.2	.3			39.8	930
06-08		11.9				11.9	36.7	1.1			49.7	930
09-11		13.2				13.2	23.8	4.4			41.4	930
12-14		12.4				12.4	6.7	3.2			22.3	930
15-17	.1	12.0				12.0	3.0	3.3			18.4	930
18-20		12.6				12.6	3.7	2.7			18.9	930
21-23		11.4				11.4	8.2	1.5			21.1	930
ALL HOURS	.0	11.9				11.9	15.6	2.2			29.7	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		23.2		.3		23.6	13.4	.1			37.1	900
03-05		23.3		.3		23.7	16.7	.2			40.6	900
06-08		23.7		.3		24.0	18.4	.2			42.7	900
09-11		22.6		.4		23.0	16.8	.3			40.1	900
12-14		23.1		.6		23.7	7.7	1.0			32.3	900
15-17	.1	24.8		.6		25.3	6.1	1.3			32.8	900
18-20		22.2	.1	.6		22.9	6.6	.7			30.1	900
21-23		25.4		.1		25.6	8.8	.8			35.1	900
ALL HOURS	.0	23.5	.0	.4		24.0	11.8	.6			36.3	7200

MONTH: DEC

00-02		19.0	.3	1.3		20.6	17.2	.1			38.0	930
03-05		20.0	.3	1.2		21.5	19.1	.3			41.0	930
06-08		18.0	.5	2.7		21.2	23.4	.5	.1		45.3	930
09-11		16.0	1.1	2.2		19.2	22.9	.6	.3		43.1	930
12-14		18.0	1.5	2.3		21.7	16.6	1.2			39.5	930
15-17		22.1	1.3	2.4		25.8	14.9	1.3	.3		42.2	928
18-20		19.2	.8	1.8		21.8	15.5		.1		37.4	927
21-23		19.2	.4	1.1		20.7	15.7				36.5	927
ALL HOURS		18.9	.8	1.9		21.6	18.2	.5	.1		40.4	7432

A - 2 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN		21.6	.1	.7		22.4	15.9	.4			38.7	7440
FEB	.0	21.5	.1	2.2		23.8	12.3	.6			36.7	6768
MAR	.0	20.9		.3		21.2	5.7	.2			27.2	7440
APR	.1	15.1				15.1	3.9	.1			19.1	7200
MAY	.2	12.2				12.2	1.2	.0			13.4	7440
JUN	.1	9.8				9.8	2.0	.2			12.0	7200
JUL	.2	4.1				4.1	1.2	.2			5.6	7440
AUG	.1	3.2				3.2	1.9	.3			5.3	7440
SEP	.1	6.8				6.8	5.0	1.0			12.8	7200
OCT	.0	11.9				11.9	15.6	2.2			29.7	7440
NOV	.0	23.5	.0	.4		24.0	11.8	.6			36.3	7200
DEC		18.9	.8	1.9		21.6	18.2	.5	.1		40.4	7432
ANNUAL	.1	14.1	.1	.4		14.6	7.9	.5	.0		23.0	87640

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN	.1	67.6	4.6	18.8		72.7	47.6	18.3	1.2		85.0	1302
FEB	.4	67.4	1.9	10.0	.1	68.8	43.8	20.7			84.9	1187
MAR	1.8	68.5	.1	10.4	.2	69.1	30.2	17.3	.1		82.9	1302
APR	3.3	61.2		4.5	.2	61.2	22.3	13.6			73.0	1260
MAY	4.5	53.0		2.5	.5	53.0	16.5	10.2			60.1	1302
JUN	2.9	43.2		.2	.2	43.2	13.1	9.3			48.7	1260
JUL	2.2	22.7				22.7	10.1	9.6			32.2	1302
AUG	2.9	27.0		.2	.1	27.0	18.4	20.9			45.7	1302
SEP	2.3	38.1		.2	.2	38.1	40.5	33.5			68.4	1260
OCT	1.3	50.7		.9	.2	50.7	60.4	43.8			86.7	1302
NOV	1.3	68.6	.8	3.6	.1	69.5	57.5	26.3	.2		89.0	1260
DEC	.2	72.4	2.0	12.2		75.5	52.4	19.7	.5		89.7	1302
ANNUAL	1.9	53.3	.8	5.3	.1	54.2	34.3	20.2	.2		70.4	15341

A - 3 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90

HOURLS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02		.1					.6					
03-05							.2	.2				
06-08								.1				
09-11					.1		.2	.1				
12-14			.1	.1	.4	.2	.1	.1	.2			
15-17			.1	.6	.3		.1	.2	.2	.1	.1	
18-20				.1	.4	.2		.1	.2			
21-23		.1			.2		.3					
ALL HOURLS		.0	.0	.1	.2	.1	.2	.1	.1	.0	.0	
TOTAL OBS	7440	6768	7440	7200	7440	7200	7440	7440	7200	7440	7200	7432

A - 4 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 180	181 - 260	261 - 340	NO OF OBS
TSTMS							
LIQUID PRECIP	3.5		1.6	60.1	29.8	4.9	1861
FREEZING PRECIP				100.0			11
FROZEN PRECIP	12.5			66.1	14.3	7.1	56
FOG	22.7		8.8	38.0	11.1	19.3	1304
FOG WITH VIS GE 1/2 MILES	18.0		9.2	46.4	10.0	16.5	983
TOTAL OBS	690	0	366	4141	1380	863	7440

MONTH: FEB HOURS: ALL

TSTMS				50.0	50.0		2
LIQUID PRECIP	3.6		1.4	60.5	28.6	5.9	1660
FREEZING PRECIP				100.0			10
FROZEN PRECIP	7.9			59.1	25.0	7.9	164
FOG	19.3		10.2	37.3	11.6	21.5	911
FOG WITH VIS GE 1/2 MILES	18.3		10.0	41.9	11.2	18.5	687
TOTAL OBS	619	0	368	3571	1298	912	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 180	181 - 260	261 - 340	NO OF OBS
TSIMS					50.0	50.0	2
LIQUID PRECIP	2.5		2.0	56.4	30.7	8.3	1774
FREEZING PRECIP							
FROZEN PRECIP			4.5	81.8		13.6	22
FOG	23.1		6.8	38.5	9.8	21.8	468
FOG WITH VIS GE 1/2 MILES	19.1		4.7	43.2	10.6	22.5	387
TOTAL OBS	744	0	427	3156	1607	1506	0 7440

MONTH: APR HOURS: ALL

TSIMS				36.4	27.3	36.4	11
LIQUID PRECIP	5.0		3.0	41.4	36.9	13.7	1230
FREEZING PRECIP							
FROZEN PRECIP							
FOG	19.7		9.0	34.7	9.7	27.0	300
FOG WITH VIS GE 1/2 MILES	18.5		8.7	35.9	10.1	26.8	276
TOTAL OBS	811	0	659	1951	1472	2307	0 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 180	181 - 260	261 - 340	NO OF OBS
TSTMS			26.7	33.3	6.7	33.3	15
LIQUID PRECIP	5.1		6.1	40.7	32.4	15.7	1059
FREEZING PRECIP							
FROZEN PRECIP							
FOG	19.4		6.5	38.7	22.6	12.9	93
FOG WITH VIS GE 1/2 MILES	19.6		6.5	39.1	21.7	13.0	92
TOTAL OBS	658	0	1000	1542	1365	2875	0 7440

MONTH: JUN HOURS: ALL

TSTMS				40.0	20.0	40.0	5
LIQUID PRECIP	8.2		9.6	36.3	29.1	16.8	821
FREEZING PRECIP							
FROZEN PRECIP							
FOG	13.3		9.1	42.0	12.6	23.1	143
FOG WITH VIS GE 1/2 MILES	13.2		9.6	40.4	12.5	24.3	136
TOTAL OBS	464	0	1183	1085	1063	3405	0 7200

A - 5 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 180	181	260	261 - 340	NO OF OBS
TSTMS			35.3	11.8		11.8	41.2	17
LIQUID PRECIP	5.7		12.3	31.4		33.1	17.5	366
FREEZING PRECIP								
FROZEN PRECIP								
FOG	18.6		29.4	15.7		11.8	24.5	102
FOG WITH VIS GE 1/2 MILES	17.3		29.6	16.3		12.2	24.5	98
TOTAL OBS	428	0	1472	681		655	4204	0 7440

MONTH: AUG HOURS: ALL

TSTMS			27.3	36.4		18.2	18.2	11
LIQUID PRECIP	9.6		11.0	26.3		33.1	19.9	281
FREEZING PRECIP								
FROZEN PRECIP				100.0				1
FOG	7.2		27.6	23.0		15.1	27.0	152
FOG WITH VIS GE 1/2 MILES	7.5		27.4	24.0		15.8	25.3	146
TOTAL OBS	551	0	1394	717		684	4094	0 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 180	181 - 260	261 - 340	NO OF OBS
TSTMS				33.3	16.7	50.0	6
LIQUID PRECIP	6.1		4.6	40.1	30.8	18.4	571
FREEZING PRECIP							
FROZEN PRECIP							
FOG	21.7		18.7	17.7	13.8	28.8	385
FOG WITH VIS GE 1/2 MILES	21.7		19.2	17.5	12.2	29.4	360
TOTAL OBS	836	0	847	1640	1033	2844	0 7200

MONTH: OCT HOURS: ALL

TSTMS						100.0	
LIQUID PRECIP	6.7		2.3	59.7	23.1	8.3	1036
FREEZING PRECIP							
FROZEN PRECIP							
FOG	25.3		14.0	21.3	12.0	27.4	1310
FOG WITH VIS GE 1/2 MILES	24.0		14.3	24.1	9.6	27.9	1040
TOTAL OBS	1121	0	628	2497	1250	1944	0 7440

A - 5 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 180	181 - 260	261 - 340	NO OF OBS
TSTMS					100.0		1
LIQUID PRECIP	4.1		2.3	54.2	32.7	6.7	1978
FREEZING PRECIP				100.0			1
FROZEN PRECIP	5.7		5.7	80.0	5.7	2.9	35
FOG	23.7		7.7	28.4	17.7	22.4	932
FOG WITH VIS GE 1/2 MILES	21.4		8.8	32.8	17.4	19.6	725
TOTAL OBS	684	0	265	3528	1860	863	0 7200

MONTH: DEC HOURS: ALL

TSTMS							
LIQUID PRECIP	5.8		1.0	60.7	23.4	9.1	1642
FREEZING PRECIP	1.5			98.5			66
FROZEN PRECIP	2.6		1.9	80.6	2.6	12.3	155
FOG	24.4		9.5	33.5	9.9	22.7	1487
FOG WITH VIS GE 1/2 MILES	23.9		10.2	34.8	9.9	21.4	1269
TOTAL OBS	792	0	372	4316	1102	850	0 7432

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTHS: ALL

PHENOMENA	CALM	VARIABLE	341 - 060	061 - 180	181 - 260	261 - 340	NO OF OBS
TSTMS			18.3	26.8	18.3	36.6	71
LIQUID PRECIP	4.8		3.2	52.3	29.9	9.8	14279
FREEZING PRECIP	1.1			98.9			88
FROZEN PRECIP	6.0		1.4	70.7	12.7	9.2	433
FOG	22.4		10.9	31.3	12.2	23.2	7587
FOG WITH VIS GE 1/2 MILES	20.6		11.3	34.6	11.5	22.0	6199
TOTAL OBS	8398	0	8981	28825	14769	26667	0 87640

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTT	BBBBBBBBB
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTT	BBBBBBBBB
PP PP	AA AA	RR RR	TT	BB BB
PP PP	AA AA	RR RR	TT	BB BB
PPPPPPPP	AA AA	RRRRRRRR	TT	BBBBBBBBB
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	BBBBBBBBB
PP	AAAAAAAAA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BB BB
PP	AA AA	RR RR	TT	BBBBBBBBB
PP	AA AA	RR RR	TT	BBBBBBBBB

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PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	28.6	31.6	32.2	39.8	47.9	57.7	78.5	74.5	62.7	49.2	32.9	25.4	46.8
TRACE	12.1	11.2	11.5	13.7	13.5	13.2	9.9	10.1	10.9	11.2	8.9	12.4	11.5
.01	3.8	4.3	3.2	4.1	4.3	4.0	1.9	1.8	3.4	2.6	4.6	4.3	3.5
.02-.05	10.1	10.3	11.9	11.7	9.1	6.7	3.6	4.2	5.3	7.8	8.0	9.5	8.2
.06-.10	7.9	7.2	9.1	7.6	6.1	4.6	2.1	2.5	4.2	4.6	7.1	7.2	5.9
.11-.25	14.2	15.2	15.7	12.8	10.2	7.6	2.1	3.2	5.9	10.9	14.7	14.1	10.5
.26-.50	12.1	11.7	11.3	7.4	6.1	4.2	1.1	2.2	4.2	8.4	12.4	12.8	7.8
.51-1.00	7.9	6.7	3.9	2.2	2.6	1.8	.8	1.1	2.7	4.4	8.2	9.7	4.3
1.01-2.50	3.3	1.9	1.2	.6	.3	.3		.3	.7	.9	3.2	4.4	1.4
2.51-5.00												.1	.0
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	59.4	57.2	56.3	46.5	38.6	29.1	11.6	15.4	26.4	39.6	58.1	62.2	41.6
TOTAL NO. OF OBSERVATIONS	1828	1667	1829	1770	1828	1769	1829	1829	1770	1827	1770	1829	21545

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
26	3.64	7.71	.80	.80	2.83	.35	.00	1.95	2.14	5.26	9.78	5.91	41.17
27	9.18	6.95	2.11	1.78	2.24	2.68	.95	.35	5.52	2.65	7.99	3.47	45.87
28	5.11	1.19	7.21	4.47	.74	.44	.42	TRACE	.65	1.65	5.30	7.51	34.69
29	3.50	.97	2.90	4.06	1.14	2.19	.02	.23	.31	1.33	.67	8.79	26.11
30	3.43	5.03	2.21	2.72	3.08	.69	TRACE	.06	1.79	2.15	2.84	3.16	27.16
31	4.30	2.40	8.12	2.40	1.09	3.13	TRACE	.04	2.10	4.32	6.38	8.40	42.68
32	5.63	2.58	6.08	3.57	1.50	.07	.48	.45	.11	3.76	7.88	7.87	39.98
33	7.94	4.26	5.10	.95	3.59	2.60	TRACE	.86	2.97	4.59	2.54	17.45	52.85
34	6.02	1.40	5.18	2.46	1.60	.96	.11	.33	1.32	5.30	10.47	10.83	45.98
35	3.45	3.04	5.34	2.48	.61	.50	.28	.20	.86	3.20	3.27	5.89	29.12
36	8.55	4.73	3.10	.87	3.72	2.43	.40	.07	1.41	.44	.36	8.28	34.36
37	4.64	6.34	2.81	6.22	1.06	3.88	.20	1.41	2.06	2.91	10.08	13.86	55.47
38	5.23	7.83	6.42	2.02	.65	.45	.25	.35	1.38	2.86	4.83	4.16	36.43
39	4.69	5.26	2.29	.55	1.08	1.73	.78	1.62	.60	2.14	1.73	9.22	31.69
40	2.56	11.41	4.95	3.29	1.60	.02	.80	.06	3.54	4.13	4.53	4.85	41.74
41	5.27	1.59	1.74	1.66	4.27	.81	.03	1.45	3.58	2.18	5.04	9.11	36.73
42	3.63	4.19	1.81	1.98	2.59	2.04	.96	.48	.09	3.75	14.40	11.07	46.99
48	5.87	5.00	4.24	3.41	3.76	1.42	.32	1.55	3.28	2.39	6.89	8.06	46.19
49	1.02	9.46	2.78	.72	2.12	.68	.91	.24	1.66	2.35	5.56	4.86	32.36
50	10.10	5.77	4.76	2.74	.57	2.50	.50	.72	1.45	7.00	8.67	6.31	51.09
51	7.71	5.02	3.86	1.14	1.75	.03	.28	.02	2.55	6.81	5.31	5.06	39.54
52	4.40	3.59	3.82	1.45	.78	2.23	TRACE	.18	.33	.72	1.44	6.76	25.70
53	12.83	3.71	3.82	1.89	3.45	2.04	.03	1.79	1.16	3.56	6.46	7.85	48.59
54	8.95	4.57	2.55	2.54	1.83	3.58	1.24	1.92	.85	3.40	5.09	5.01	41.53
55	2.30	3.37	3.06	4.72	1.24	1.83	.89	TRACE	2.86	6.69	7.34	10.14	44.44
56	11.66	3.03	4.30	.53	2.50	2.03	.01	2.56	1.12	5.10	1.47	3.64	37.95
57	2.23	4.14	7.52	1.84	1.97	.73	.19	.69	.49	3.53	3.07	6.15	32.55
58	6.56	5.13	2.20	3.33	1.35	3.04	TRACE	.02	1.05	1.49	6.39	5.06	35.62
59	7.57	4.18	3.22	.92	2.89	2.38	.56	.09	2.81	3.51	3.30	3.08	34.51
60	3.93	4.00	4.77	3.33	3.37	.52	TRACE	1.00	1.37	2.39	8.63	2.61	35.92

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61	4.50	8.92	6.04	3.59	2.80	.47	.42	1.07	.64	2.89	4.67	5.94	41.95
62	1.58	3.43	4.25	3.15	2.56	.78	.06	1.49	1.66	3.31	9.32	2.59	34.18
63	2.27	3.48	4.69	3.78	2.74	1.71	1.17	.87	.75	3.04	5.65	3.60	33.75
64	9.51	.78	2.30	1.56	1.04	1.96	.68	.90	1.61	.84	6.78	9.92	37.88
65	7.44	2.22	1.10	2.20	1.31	.83	.44	.73	.01	2.03	5.64	7.34	31.29
66	5.74	1.70	4.71	.85	.91	1.02	1.19	.59	1.70	3.06	5.50	6.89	33.86
67	6.21	2.02	4.31	2.17	1.02	1.01	.00	TRACE	.76	4.72	2.27	4.75	29.24
68	4.58	6.64	2.68	1.91	3.63	2.20	.14	4.53	2.20	5.03	6.23	11.12	50.89
69	7.60	3.14	1.13	2.28	1.61	2.99	.14	.04	3.86	3.02	3.18	8.12	37.11
70	11.81	4.77	2.58	2.94	1.55	.49	.05	TRACE	1.10	2.85	5.72	7.49	41.35
71	7.09	3.36	4.87	2.72	1.00	1.76	.26	.95	3.53	2.37	5.76	8.05	41.72
72	5.71	4.08	5.41	2.98	2.23	.68	.56	.67	3.06	.87	3.78	8.79	38.82
73	3.69	1.94	2.45	1.33	1.43	1.45	.06	1.41	3.29	3.14	11.55	9.93	41.67
74	8.51	4.61	5.65	1.76	1.74	.80	2.01	.07	.21	2.14	6.73	6.05	40.28
75	8.43	4.75	3.45	1.88	1.35	1.13	.43	2.10	TRACE	4.76	4.10	6.68	39.06
76	5.14	.92	2.93	2.34	2.29	.78	.66	3.29	.73	1.48	.77	1.38	26.71
77	1.07	2.49	3.50	1.04	4.30	.83	.39	3.26	3.33	2.28	5.56	8.98	37.03
78	4.85	3.28	1.49	3.96	3.17	1.69	1.36	2.05	2.07	.36	3.83	2.51	30.62
79	2.59	6.53	2.51	2.47	2.41	.64	.25	1.18	1.75	4.85	3.38	7.23	35.79
80	8.51	4.01	3.11	2.58	2.19	2.50	.19	.39	1.56	1.18	6.47	9.72	42.41
81	1.47	3.86	2.33	1.79	2.25	3.23	.24	.15	1.86	4.12	4.62	8.37	34.29
82	6.31	5.98	2.38	3.56	.46	1.66	.94	1.66	3.98	4.44	3.51	8.16	43.04
83	6.23	7.78	6.80	1.87	1.30	1.95	2.68	2.29	.39	1.95	8.65	5.30	47.19
84	2.01	3.93	3.19	3.20	3.41	4.06	TRACE	.09	1.46	3.85	9.74	2.56	37.50
85	.06	1.79	3.08	1.07	1.52	2.34	.55	.48	2.76	2.75	3.99	2.19	22.48
86	4.65	5.31	2.60	1.91	2.19	.23	1.20	.10	4.30	1.99	6.26	4.30	35.04
87	6.93	2.45	4.91	1.94	1.63	.14	1.03	.35	.30	.27	1.96	8.00	29.91
88	4.95	1.17	3.13	4.57	2.53	2.34	.69	.10	1.76	.19	7.92	2.37	31.72
89	3.30	2.84	6.73	2.08	2.87	.78	.91	1.07	1.48	1.73	3.18	3.08	30.05

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.06	.78	.80	.53	.46	.02	.00	TRACE	TRACE	.19	.36	1.38	22.48
GREATEST	12.83	11.41	8.12	6.22	4.30	4.06	2.68	4.53	5.52	7.00	14.40	17.45	55.47
MEAN	5.50	4.24	3.79	2.38	2.04	1.53	.50	.89	1.75	3.00	5.50	6.71	37.83
MEDIAN	5.14	4.01	3.22	2.20	1.83	1.45	.39	.59	1.56	2.89	5.50	6.76	37.11
SD	2.818	2.193	1.705	1.169	1.000	1.039	.529	.966	1.242	1.609	2.875	3.086	7.164
TOTAL OBS	1828	1667	1829	1770	1828	1769	1829	1829	1770	1827	1770	1829	21545

THE GREATEST VALUE OF 17.45 OCCURRED ON 12/33

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
26	.72	1.61	.22	.29	.69	.21	.00	.74	1.03	1.03	1.95	.82	1.95
27	.93	1.33	.33	.61	.55	2.03	.92	.19	1.75	.47	2.13	.99	2.13
28	1.40	.26	1.16	.65	.32	.17	.23	TRACE	.35	.40	1.80	2.04	2.04
29	.82	.40	.62	1.21	.52	.51	.02	.21	.28	.47	.26	2.12	2.12
30	.84	1.13	1.24	.85	.58	.45	TRACE	.04	.84	.86	1.16	.80	1.24
31	1.10	.52	2.06	1.12	.51	.74	TRACE	.04	.72	.81	1.44	1.24	2.06
32	1.39	.42	1.10	.63	.36	.07	.22	.14	.09	.77	1.03	1.66	1.66
33	2.11	.71	.93	.19	.55	1.92	TRACE	.47	.63	1.58	.94	2.27	2.27
34	1.11	.50	1.54	.51	.40	.50	.10	.23	.36	.98	1.36	1.83	1.83
35	.71	.68	1.19	.63	.22	.13	.19	.10	.84	.73	.71	1.06	1.19
36	1.41	1.11	1.24	.26	.59	.89	.15	.04	.94	.20	.33	2.20	2.20
37	.89	1.55	.66	1.83	.38	.58	.10	.71	1.03	.88	2.05	3.99	3.99
38	1.32	1.84	1.08	.38	.29	.26	.19	.33	.51	.59	1.25	1.07	1.84
39	1.03	1.24	.45	.18	.38	.70	.69	1.06	.28	.56	.50	1.24	1.24
40	.69	1.83	1.40	1.24	.55	.02	.62	.04	1.16	1.03	.89	1.12	1.83
41	.89	.27	.55	.35	.59	.22	.03	.28	.96	.41	1.37	1.72	1.72
42	.72	.77	.31	.81	.54	.48	.37	.21	.05	1.81	1.87	2.24	2.24
48	2.48	.78	1.36	.52	1.07	.66	.17	.90	1.11	.39	1.28	.81	2.48
49	.31	1.78	.58	.23	1.15	.25	.51	.15	.73	1.00	1.56	.59	1.78
50	1.98	1.07	.70	.71	.29	.72	.24	.61	.74	.80	2.43	.99	2.43
51	1.19	.90	.89	.60	.53	.01	.15	.02	.68	1.31	.74	1.01	1.31
52	.69	.84	.60	.58	.49	.52	TRACE	.18	.27	.28	.48	1.11	1.11
53	1.47	.67	.53	.40	.93	.55	.03	.56	.73	1.24	1.13	1.72	1.72
54	1.75	1.21	.97	.66	.53	.81	.84	.64	.21	.92	.92	.58	1.75
55	.37	.75	.63	1.23	.61	.63	.28	TRACE	1.30	1.66	1.57	1.99	1.99
56	1.93	.99	.65	.20	.45	.54	.01	1.29	.39	.99	.64	.58	1.93
57	.54	1.30	1.00	.37	.39	.29	.15	.36	.34	.79	.77	1.28	1.30
58	.86	.85	.52	.59	.69	1.70	TRACE	.02	.21	.36	.90	1.23	1.70
59	1.25	.90	.80	.15	.70	.52	.27	.09	1.00	1.65	.81	1.11	1.65
60	.89	.92	1.06	.68	.53	.40	TRACE	.20	.37	.45	2.31	.79	2.31

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61	.88	1.72	1.02	.95	.55	.28	.38	.52	.34	.76	1.24	1.28	1.72
62	.39	.46	1.23	1.02	.46	.46	.06	.48	.78	.79	1.57	.56	1.57
63	1.16	.98	1.07	.47	1.04	.42	.37	.53	.27	.81	1.27	.88	1.27
64	1.54	.16	.53	.27	.25	.40	.46	.21	.51	.27	1.12	1.80	1.80
65	1.48	.54	.43	1.01	.50	.38	.28	.42	.01	.50	1.20	1.79	1.79
66	1.32	.34	1.00	.21	.30	.40	.81	.40	.44	.61	1.37	1.56	1.56
67	1.12	.39	.83	.48	.41	.44	.00	TRACE	.22	1.28	.42	.62	1.28
68	.96	1.38	.40	.27	1.47	.97	.13	1.20	.55	.82	1.38	1.27	1.47
69	1.02	.76	.29	.60	.45	.87	.05	.04	2.23	.66	1.87	1.30	2.23
70	2.03	1.42	.89	.55	.51	.20	.04	TRACE	.40	.61	1.22	1.37	2.03
71	1.00	.50	.82	1.17	.32	.82	.14	.57	1.48	.61	.82	1.19	1.48
72	1.73	.97	.78	.44	.55	.37	.32	.46	.84	.17	.87	1.23	1.73
73	1.15	.46	.41	.40	.64	.49	.06	.89	.65	.71	2.42	.94	2.42
74	1.98	.73	.82	.33	.51	.26	.81	.04	.17	1.21	1.19	1.05	1.98
75	1.53	.77	.67	.44	.71	.48	.32	.69	TRACE	.77	.88	.94	1.53
76	.91	1.32	.66	.48	.42	.35	.45	.94	.46	.50	.29	.40	1.32
77	.55	.54	.42	.25	.60	.55	.25	1.47	.64	.39	1.01	1.84	1.84
78	.66	.90	.47	.45	1.08	.55	.80	.56	.61	.16	.99	.75	1.08
79	1.35	.99	.69	.49	.76	.21	.12	.29	.86	1.40	1.08	1.30	1.40
80	1.28	.85	.59	.60	.61	.89	.14	.24	.45	.43	1.31	2.08	2.08
81	.34	1.12	.75	.39	.53	1.02	.09	.08	.65	1.24	1.23	1.80	1.80
82	1.31	1.71	.42	.75	.19	.50	.52	.55	1.56	1.62	.79	1.84	1.84
83	.83	.89	1.54	.42	.40	.34	.89	1.13	.18	.51	1.88	1.66	1.88
84	.57	.83	.41	1.20	.78	1.46	TRACE	.09	.65	.67	1.97	.42	1.97
85	.03	.40	.57	.21	.80	1.36	.38	.37	1.18	.83	.88	.86	1.36
86	.73	.93	.62	.34	.35	.15	.63	.09	1.48	.73	.86	.92	1.48
87	2.33	.49	1.26	.55	.48	.08	.63	.34	.17	.27	.58	1.69	2.33
88	1.33	.31	.66	1.25	.49	.66	.32	.10	.97	.05	.95	.64	1.33
89	.67	1.01	.92	1.00	.63	.31	.81	.64	.73	.80	.93	1.09	1.09

B - 2 - 3B

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	2.48	1.84	2.06	1.83	1.47	2.03	.92	1.47	2.23	1.81	2.43	3.99	3.99
TOTAL OBS	1828	1667	1829	1770	1828	1769	1829	1829	1770	1827	1770	1829	21545

THE GREATEST VALUE OF 3.99 OCCURRED ON 12/26/37

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	81.1	90.0	89.9	95.5	97.5	99.8	100.0	99.8	99.8	99.1	96.4	87.9	94.7
TRACE	11.5	6.7	8.7	4.5	2.5	.2		.2	.2	.9	2.5	8.5	3.9
0.1-0.4	2.3	1.3	.5								.4	1.2	.5
0.5-1.4	2.5	1.3	.6								.3	1.1	.5
1.5-2.4	.7	.4	.2								.1	.8	.2
2.5-3.4	1.0	.2										.3	.1
3.5-4.4	.2	.1									.1	.1	.0
4.5-6.4	.5	.1									.1	1	.1
6.5-10.4	.2										.1	.1	.0
10.5-15.4													
15.5-25.4													
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	7.4	3.4	1.4								1.0	3.6	1.4
TOTAL NO. OF OBSERVATIONS	1302	1187	1302	1260	1302	1260	1302	1302	1260	1302	1260	1302	15341

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LS^m TO UTC: +08

PERIOD OF RECORD: 2601-8912

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
26	*	*	*	*	*	*	*	*	*	*	*	*	.0*
27	*	*	*	*	*	*	*	*	*	*	*	*	.0*
28	*	*	*	*	*	*	*	*	*	*	*	*	.0*
29	*	*	*	*	*	*	*	*	*	*	*	*	.0*
30	*	*	*	*	*	*	*	*	*	*	*	*	.0*
31	*	*	*	*	*	*	*	*	*	*	*	*	.0*
32	*	*	*	*	*	*	*	*	*	*	*	*	.0*
33	*	*	*	*	*	*	*	*	*	*	*	*	.0*
34	*	*	*	*	*	*	*	*	*	*	*	*	.0*
35	*	*	*	*	*	*	*	*	*	*	*	*	.0*
36	*	*	*	*	*	*	*	*	*	*	*	*	.0*
37	*	*	*	*	*	*	*	*	*	*	*	*	.0*
38	*	*	*	*	*	*	*	*	*	*	*	*	.0*
39	*	*	*	*	*	*	*	*	*	*	*	*	.0*
40	*	*	*	*	*	*	*	*	*	*	*	*	.0*
41	*	*	*	*	*	*	*	*	*	*	*	*	.0*
42	*	*	*	*	*	*	*	*	*	*	*	*	.0*
48	.9	.3	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.2
49	9.8	13.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	23.2
50	41.4	2.1	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	43.5
51	.2	TRACE	5.3	.0	.0	.0	.0	.0	.0	.0	.0	.7	6.2
52	8.9	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	8.9
53	TRACE	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
54	10.6	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.2	11.8
55	1.1	1.3	.8	TRACE	TRACE	.0	.0	.0	.0	TRACE	8.2	2.0	13.4
56	9.3	1.1	1.8	.0	TRACE	.0	.0	.0	.0	TRACE	.0	2.6	14.8
57	4.2	1.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE	5.6
58	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
59	.9	2.0	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.9
60	10.3	TRACE	2.6	TRACE	TRACE	.0	.0	TRACE	.0	TRACE	.0	.0	12.9

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61	.0	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.0	1.0
62	.7	3.8	.1	.0	.0	.0	.0	.0	.0	TRACE	.0	.0	4.6
63	5.0	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.0	5.0
64	TRACE	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	11.0	11.0
65	TRACE	.0	.3	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3
66	TRACE	TRACE	.6	.0	.0	.0	.0	.0	TRACE	.0	.0	.0	.6
67	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	5.7	5.7
68	5.2	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	15.7	20.9
69	18.3	TRACE	.0	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	18.3
70	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.4	1.4
71	6.9	1.7	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	.0	4.6	13.2
72	.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	TRACE	.0	TRACE	6.1	6.5
73	.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	.4
74	TRACE	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	TRACE	.6	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.6
76	TRACE	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE
77	TRACE	.0	TRACE	.0	TRACE	.0	.0	.0	.0	.0	7.6	TRACE	7.6
78	.0	.0	.1	TRACE	.0	.0	.0	.0	.0	.0	4.0	2.4	6.5
79	1.9	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	3.0
80	12.4	TRACE	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	TRACE	12.4
81	.0	TRACE	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	2.0	2.0
82	2.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.0	2.1
83	.0	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.3	2.3
84	.1	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	.0	2.8	2.9
85	TRACE	4.8	TRACE	TRACE	.0	.0	.0	.0	.0	.0	3.4	1.6	9.8
86	TRACE	5.8	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	.1	5.9
87	.0	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	2.9	2.9
88	.6	.0	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.6
89	.9	.3	2.0	TRACE	.0	.0	.0	TRACE	.0	TRACE	.0	.0	3.2

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
GREATEST	41.4	13.2	5.3	TRACE	TRACE	TRACE	.0	TRACE	TRACE	TRACE	8.2	15.7	43.5
MEAN	3.6	.9	.3	TRACE	TRACE	TRACE	.0	TRACE	TRACE	TRACE	.5	1.6	7.0
MEDIAN	.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.8
SD	7.423	2.348	.973	.000	.000	.000	.000	.000	.000	.000	1.846	3.136	8.333
TOTAL OBS	1302	1187	1302	1260	1302	1260	1302	1302	1260	1302	1260	1302	15341

THE GREATEST VALUE OF 41.4 OCCURRED ON 01/50

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 2C

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
26	*	*	*	*	*	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*	*	*	*	*	*
29	*	*	*	*	*	*	*	*	*	*	*	*	*
30	*	*	*	*	*	*	*	*	*	*	*	*	*
31	*	*	*	*	*	*	*	*	*	*	*	*	*
32	*	*	*	*	*	*	*	*	*	*	*	*	*
33	*	*	*	*	*	*	*	*	*	*	*	*	*
34	*	*	*	*	*	*	*	*	*	*	*	*	*
35	*	*	*	*	*	*	*	*	*	*	*	*	*
36	*	*	*	*	*	*	*	*	*	*	*	*	*
37	*	*	*	*	*	*	*	*	*	*	*	*	*
38	*	*	*	*	*	*	*	*	*	*	*	*	*
39	*	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*	*
41	*	*	*	*	*	*	*	*	*	*	*	*	*
42	*	*	*	*	*	*	*	*	*	*	*	*	*
48	.9	.3	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9
49	5.0	5.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	5.0
50	7.5	1.6	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	7.5
51	.2	TRACE	1.8	.0	.0	.0	.0	.0	.0	.0	.0	.6	1.8
52	4.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	4.1
53	TRACE	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
54	4.9	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.8	4.9
55	1.0	.8	.8	TRACE	TRACE	.0	.0	.0	.0	TRACE	4.5	1.5	4.5
56	9.3	.7	1.8	.0	TRACE	.0	.0	.0	.0	TRACE	.0	1.8	9.3
57	2.8	1.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE	2.8
58	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
59	.9	2.0	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0
60	3.2	TRACE	2.3	TRACE	TRACE	.0	.0	TRACE	.0	TRACE	.0	.0	3.2

B - 3 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61	.0	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.7	.7
62	.7	3.2	.1	.0	.0	.0	.0	.0	.0	TRACE	.0	.0	3.2
63	3.4	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.0	3.4
64	TRACE	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	8.0	8.0
65	TRACE	.0	.3	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3
66	TRACE	TRACE	.4	.0	.0	.0	.0	.0	TRACE	.0	.0	.0	.4
67	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	3.3	3.3
68	4.9	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	6.0	6.0
69	5.1	TRACE	.0	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	5.1
70	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.0	1.0
71	3.5	.8	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	.0	1.9	3.5
72	.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	TRACE	.0	TRACE	3.8	3.8
73	.4	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	.4
74	TRACE	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE
75	TRACE	.5	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.5
76	TRACE	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE
77	TRACE	.0	TRACE	.0	TRACE	.0	.0	.0	.0	.0	7.0	TRACE	7.0
78	.0	.0	.1	TRACE	.0	.0	.0	.0	.0	.0	4.0	2.0	4.0
79	.6	1.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.1
80	5.5	TRACE	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	TRACE	5.5
81	.0	TRACE	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	2.0	2.0
82	1.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.0	1.0
83	.0	.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.0	1.0
84	.1	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	.0	2.4	2.4
85	TRACE	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.3	1.6	2.0
86	TRACE	2.8	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	.1	2.8
87	.0	TRACE	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.5	1.5
88	.4	.0	.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	.4
89	.9	.3	1.1	TRACE	.0	.0	.0	TRACE	.0	TRACE	.0	.0	1.1

B - 3 - 3B

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 2601-8012
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	9.3	5.0	2.3	TRACE	TRACE	TRACE	.0	TRACE	TRACE	TRACE	7.0	8.0	9.3
TOTAL OBS	1302	1187	1302	1260	1302	1260	1302	1302	1260	1302	1260	1302	15341

THE GREATEST VALUE OF 9.3 OCCURRED ON 01/26/56

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	86.8	94.4	98.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.4	95.0	97.7
TRACE	5.1	2.3	.8								2.1	2.7	1.1
1	2.5	1.8	.4								.2	.8	.5
2	.9	.3	.2									.6	.2
3	.7	.3									.1	.3	.1
4-6	2.1	.5	.2								.2	.4	.3
7-12	1.7	.1										.2	.2
13-24	.2	.4											.1
25-36													
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	8.1	3.4	.7								.6	2.3	1.2
TOTAL NO. OF OBSERVATIONS	1299	1187	1302	1256	1302	1260	1302	1301	1260	1302	1260	1302	15333

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
26	*	*	*	*	*	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*	*	*	*	*	*
29	*	*	*	*	*	*	*	*	*	*	*	*	*
30	*	*	*	*	*	*	*	*	*	*	*	*	*
31	*	*	*	*	*	*	*	*	*	*	*	*	*
32	*	*	*	*	*	*	*	*	*	*	*	*	*
33	*	*	*	*	*	*	*	*	*	*	*	*	*
34	*	*	*	*	*	*	*	*	*	*	*	*	*
35	*	*	*	*	*	*	*	*	*	*	*	*	*
36	*	*	*	*	*	*	*	*	*	*	*	*	*
37	*	*	*	*	*	*	*	*	*	*	*	*	*
38	*	*	*	*	*	*	*	*	*	*	*	*	*
39	*	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*	*
41	*	*	*	*	*	*	*	*	*	*	*	*	*
42	*	*	*	*	*	*	*	*	*	*	*	*	*
48	0	1	0	0	0	0	0	0	0	0	0	TRACE	1
49	7	5	0	0	0	0	0	0	0	0	0	0	7
50	15	14	0	0	0	0	0	0	0	0	0	0	15
51	0	1	5	0	0	0	0	0	0	0	0	TRACE	5
52	5	0	0	0	0	0	0	0	0	0	0	0	5
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	6	0	0	0	0	0	0	0	0	0	0	TRACE	6
55	0	1	TRACE	0	0	0	0	0	0	0	4	TRACE	4
56	9	1	TRACE	0	0	0	0	0	0	0	0	2	9
57	2	TRACE	0	0	0	0	0	0	0	0	0	0	2
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	1	1	0	0	0	0	0	0	0	0	0	0	1
60	5	0	2	0	0	0	0	0	0	0	0	0	5

B - 4 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61	0	0	0	0	0	0	0	0	0	0	0	1	1
62	0	1	1	0	0	0	0	0	0	0	0	0	1
63	3	1	0	0	0	0	0	0	0	0	0	0	3
64	0	0	0	0	0	0	0	0	0	0	0	11	11
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	TRACE	0	0	0	0	0	0	0	0	0	TRACE
67	0	0	0	0	0	0	0	0	0	0	0	3	3
68	3	0	0	0	0	0	0	0	0	0	0	9	9
69	10	5	0	0	0	0	0	0	0	0	0	0	10
70	TRACE	0	0	0	0	0	0	0	0	0	TRACE	1	1
71	4	TRACE	0	0	0	0	0	0	0	0	0	3	4
72	TRACE	TRACE	0	0	0	0	0	0	0	0	0	5	5
73	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
74	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
75	TRACE	0	0	0	0	0	0	0	0	0	TRACE	TRACE	TRACE
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	TRACE	0	0	0	0	0	0	0	0	0	5	0	5
78	0	0	0	0	0	0	0	0	0	0	3	2	3
79	1	1	0	0	0	0	0	0	0	0	0	0	1
80	10	1	0	0	0	0	0	0	0	0	0	0	10
81	0	TRACE	0	0	0	0	0	0	0	0	0	0	TRACE
82	1	0	0	0	0	0	0	0	0	0	0	0	1
83	0	0	0	0	0	0	0	0	0	0	0	TRACE	TRACE
84	TRACE	0	0	0	0	0	0	0	0	0	0	2	2
85	0	1	0	0	0	0	0	0	0	0	1	2	2
86	0	1	0	0	0	0	0	0	0	0	0	0	1
87	0	0	0	0	0	0	0	0	0	0	0	1	1
88	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
89	0	TRACE	1	0	0	0	0	0	0	0	0	0	1

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	15*	14*	5*	0*	0*	0*	0*	0*	0*	0*	5*	11*	15*
TOTAL OBS	1299	1187	1302	1256	1302	1260	1302	1301	1260	1302	1260	1302	15333

THE GREATEST VALUE OF 15 OCCURRED ON 01/30/51

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980 STATION NAME: PORTLAND IAP OR

PERIOD OF RECORD: 2601-8912
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
47 - 48	JAN 29	JAN 31	FEB 01	MAY 07	FEB 01	FEB 01
48 - 49	DEC 04	JAN 01	JAN 19	FEB 19	FEB 18	FEB 19
49 - 50	DEC 09	DEC 18	JAN 01	MAY 05	FEB 04	FEB 10
50 - 51	JAN 12	JAN 14	FEB 01	MAR 29	MAR 10	MAR 10
51 - 52	DEC 01	DEC 26	JAN 03	APR 28	JAN 22	JAN 08
52 - 53	DEC 06			MAY 08		
53 - 54	NOV 17	JAN 15	JAN 16	APR 09	JAN 26	JAN 18
54 - 55	DEC 25	DEC 27	FEB 27	MAY 30	MAR 14	FEB 27
55 - 56	OCT 26	NOV 11	NOV 16	MAY 11	MAR 05	FEB 17
56 - 57	OCT 23	DEC 05	DEC 06	MAR 20	FEB 22	JAN 23
57 - 58	OCT 02			MAR 20		
58 - 59	NOV 14	JAN 05	JAN 05	MAY 17	FEB 14	FEB 14
59 - 60	DEC 29	JAN 08	JAN 08	MAY 26	MAR 03	MAR 05
60 - 61	AUG 21			MAY 23		
61 - 62	DEC 09	DEC 12	DEC 13	MAR 27	MAR 02	MAR 01
62 - 63	OCT 11	JAN 13	JAN 14	APR 19	JAN 30	FEB 01
63 - 64	OCT 05			MAY 01		
64 - 65	NOV 26	DEC 18	DEC 19	MAY 05	MAR 25	DEC 22
65 - 66	DEC 13	MAR 01		MAR 21	MAR 03	
66 - 67	SEP 11			APR 27		
67 - 68	DEC 05	DEC 19	DEC 20	APR 19	JAN 29	JAN 30
68 - 69	DEC 03	DEC 18	DEC 19	JUN 25	JAN 30	FEB 02
69 - 70	JAN 03			APR 26		
70 - 71	NOV 22	DEC 20	DEC 20	APR 10	FEB 27	JAN 14
71 - 72	OCT 13	DEC 08	DEC 29	APR 28	JAN 26	DEC 30
72 - 73	SEP 09	DEC 05	DEC 06	APR 18	JAN 05	DEC 17
73 - 74	NOV 03			MAY 16		
74 - 75	DEC 21	FEB 01		MAY 03	FEB 05	
75 - 76	NOV 07			MAY 31		

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

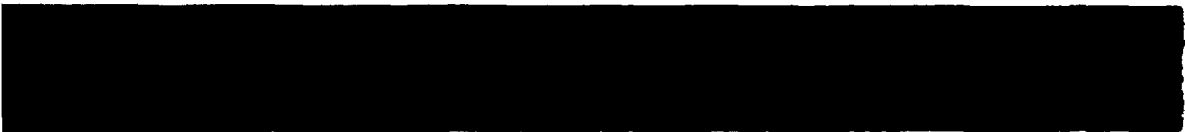
STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR

PERIOD OF RECORD: 2601-8912

SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
76 - 77	JAN 01			MAY 05		
77 - 78	NOV 07	NOV 18	NOV 22	APR 19	MAR 03	NOV 23
78 - 79	NOV 15	NOV 19	NOV 20	APR 09	FEB 03	FEB 03
79 - 80	DEC 23	JAN 07	JAN 08	JUN 03	JAN 31	FEB 01
80 - 81	NOV 14			JUN 12		
81 - 82	DEC 30	DEC 31	JAN 01	APR 14	JAN 05	JAN 07
82 - 83	OCT 06			MAY 07		
83 - 84	DEC 02	DEC 02		MAY 05	JAN 20	
84 - 85	OCT 13	DEC 17	DEC 21	APR 19	FEB 07	FEB 05
85 - 86	NOV 17	NOV 17	NOV 22	MAY 21	FEB 17	FEB 12
86 - 87	NOV 07	DEC 13		MAY 31	DEC 13	
87 - 88	DEC 10	DEC 16	DEC 29	MAY 28	JAN 18	DEC 29
88 - 89	NOV 24	JAN 31	MAR 02	APR 03	MAR 02	MAR 03
89 - 90	AUG 22			OCT 26		
MEDIAN-DATE	NOV 22	DEC 19	DEC 29	MAY 01	FEB 05	FEB 01



PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	CCCCCC
PPPPPPPPPP	AAAAAAAAA	RRRRRRRRRR	TTTTTTTTTTT	CCCCC'CC
PP PP	AA AA	RR RR	TT	CC CC
PP PP	AA AA	RR RR	TT	CC
PPPPPPPPPP	AA AA	RRRRRRRRR	TT	CC
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	CC
PP	AAAAAAAAA	RR RR	TT	CC
PP	AA AA	RR RR	TT	CC CC
PP	AA AA	RR RR	TT	CCCCCCCC
PP	AA AA	RR RR	TT	CCCCCC

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
26	*	*	*	*	*	*	*	*	*	*	*	*	*
27	*	*	*	*	*	*	*	*	*	*	*	*	*
28	*	*	*	*	*	*	*	*	*	*	*	*	*
29	*	*	*	*	*	*	*	*	*	*	*	*	*
30	*	*	*	*	*	*	*	*	*	*	*	*	*
31	*	*	*	*	*	*	*	*	*	*	*	*	*
32	*	*	*	*	*	*	*	*	*	*	*	*	*
33	*	*	*	*	*	*	*	*	*	*	*	*	*
34	*	*	*	*	*	*	*	*	*	*	*	*	*
35	*	*	*	*	*	*	*	*	*	*	*	*	*
36	*	*	*	*	*	*	*	*	*	*	*	*	*
37	*	*	*	*	*	*	*	*	*	*	*	*	*
38	*	*	*	*	*	*	*	*	*	*	*	*	*
39	*	*	*	*	*	*	*	*	*	*	*	*	*
40	*	*	*	*	*	*	*	*	*	*	*	*	*
41	*	*	*	*	*	*	*	*	*	*	*	*	*
42	*	*	*	*	*	*	*	*	*	*	*	*	*
48	*	*	*	*	*	*	*	*	*	*	*	*	*
49	*	*	*	*	*	*	*	*	*	*	*	*	*
50	*	*	*	*	*	*	*	*	*	*	*	*	*
51	*	*	*	*	*	*	*	*	*	*	*	*	*
52	*	*	*	*	*	*	*	*	*	*	*	*	*
53	*	*	*	*	*	*	*	*	*	*	*	*	*
54	*	*	*	*	*	*	*	*	*	*	*	*	*
55	*	*	*	*	*	*	*	*	*	*	*	*	*
56	*	*	*	*	*	*	*	*	*	*	*	*	*
57	*	*	*	*	*	*	*	*	*	*	*	*	*
58	*	*	*	*	*	*	*	*	*	*	*	*	*
59	S 32	E 29	SSW 29	E 31	E 27	SW 23	W 22	NW 22	S 26	SW 26	E 34	S 32	E 34
60	E 38	S 36	E 37	SW 42	S 30	NW 23	NW 23	S 24	E 27	S 20	E 33	E 36	SW 42

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
61	S 48	S 36	SW 42	NW 27	W 34	WSW 21	NNW 24	SW 27	E 31	SW 30	W 42	SW 50	SW 50
62	ESE 43	SE 32	SW 34	S 44	NW 21	SW 24	NNW 22	WSW 24	SW 26	SSW 75	SSW 43	E 32	SSW 75
63	ENE 44	E 36	S 54	SSW 36	E 31	WNW 26	SW 24	W 24	SW 44	S 41	SW 38	E 33	S 54
64	SSW 51	SSW 41	S 43	NW 37	NW 30	NW 24	S 29	S 28	S 34	E 32	ESE 35	NW 37	SSW 51
65	S 41	SE 59	E 39	SW 38	SW 33	SW 24	NW 22	S 23	NE 33	S 35	S 42	S 40	SE 59
66	S 45	SW 34	S 48	E 32	NW 27	W 28	NW 26	E 33	SW 39	SW 35	S 33	S 40	S 48
67	S 55	S 37	SW 43	S 29	SW 31	S 30	N 21	NW 25	S 41	S 68	E 38	S 33	S 68
68	S 45	E 34	S 43	NW 29	W 25	SW 29	33/*22	11/*14	22/*24	33/*33	33/*27	33/*41	S *45
69	33/*31	33/*36	33/*25	11/*16	33/*23	11/*16	11/*17	11/*17	11/*16	33/*36	33/*27	33/*37	33/*37
70	33/*36	33/*35	33/*26	11/*29	22/*27	33/*21	11/*19	11/*19	33/*31	33/*37	33/*47	33/*26	33/*47
71	33/*24	33/*17	33/*27	33/*28	11/*16	11/*15	33/*13	11/*21	33/*40	33/*13	33/*23	33/*25	33/*40
72	33/*40	33/*29	33/*20	33/*26	11/*19	11/*20	33/*30	33/*24	33/*26	33/*34	33/*27	33/*50	33/*50
73	33/*46	33/*42	11/*14	33/*27	33/*27	11/*20	11/*25	11/*17	33/*27	33/*16	33/*27	33/*33	33/*46
74	33/*45	33/*22	33/*22	33/*23	11/*23	11/*20	11/*19	11/*18	33/*32	33/*26	33/*32	33/*24	33/*45
75	33/*27	33/*37	33/*36	33/*22	11/*23	11/*23	11/*18	11/*19	33/*29	22/*10	33/*35	11/*21	33/*37
76	33/*20	33/*33	33/*26	33/*33	11/*22	11/*22	11/*23	11/*17	33/*25	33/*34	33/*34	33/*24	33/*34
77	33/*31	33/*28	11/*28	11/*19	22/*23	11/*21	11/*26	11/*23	11/*22	33/*27	33/*33	33/*41	33/*41
78	33/*40	33/*33	33/*38	33/*20	33/*30	33/*23	11/*20	11/*18	11/*20	33/*29	33/*38	33/*35	33/*40
79	33/*41	11/*12	33/*36	11/*20	11/*21	11/*22	11/*20	11/*20	33/*26	33/*28	33/*45	22/*11	33/*45
80	33/*38	33/*37	11/*16	33/*23	11/*22	11/*19	11/*20	11/*19	33/*32	33/*31	33/*14	33/*14	33/*38
81	33/*27	33/*33	33/*48	33/*23	11/*21	11/*19	11/*22	11/*19	33/*24	33/*30	33/*36	33/*28	33/*48
82	33/*18	33/*30	33/*21	33/*30	11/*23	11/*21	11/*29	11/*17	33/*30	33/*28	33/*37	33/*40	33/*40
83	33/*26	33/*36	33/*35	33/*24	33/*23	11/*19	11/*19	11/*16	33/*38	33/*20	33/*30	33/*49	33/*49
84	33/*34	33/*20	33/*21	11/*30	33/*13	11/*13	33/*24	11/*15	33/*31	33/*19	33/*32	33/*33	33/*34
85	33/*26	33/*23	33/*29	33/*27	11/*23	33/*27	33/*18	33/*24	33/*34	33/*24	33/*29	33/*46	33/*46
86	33/*32	33/*32	33/*21	33/*21	11/*18	33/*15	11/*19	11/*14	33/*26	33/*28	33/*26	33/*32	33/*32
87	33/*26	33/*23	33/*30	33/*25	11/*20	11/*17	11/*19	11/*21	11/*20	33/*32	33/*28	33/*30	33/*32
88	33/*41	33/*28	33/*24	33/*32	11/*18	11/*19	11/*22	22/*18	33/*26	33/*24	33/*30	33/*31	33/*41
89	* 0												

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GREATEST	S 55	SE 59	S 54	S 44	W 34	S 30	33/ 30	E 33	SW 44	SSW 75	33/ 47	SW 50	SSW 75
TOTAL OBS	487	441	470	427	488	469	478	459	473	496	433	469	5590

THE PEAK WIND OF 75 FROM SSW OCCURRED ON 10/12/62

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	.0	11.3	17.5	16.6	22.4	12.7	9.0	6.0	4.1	.4	.0	21.2	20.0	487
FEB	.0	9.1	21.3	17.0	20.4	18.4	9.1	2.9	1.6	.2	.0	20.3	20.0	441
MAR	.0	6.1	23.0	21.9	24.3	11.7	5.3	3.8	1.7	.2	.0	19.5	19.0	470
APR	.0	4.9	27.4	30.9	23.7	8.0	3.5	1.2	.5	.0	.0	18.1	17.0	427
MAY	.0	1.2	34.2	38.1	20.9	3.7	1.8	.0	.0	.0	.0	16.9	17.0	488
JUN	.0	1.7	31.1	50.1	15.4	1.5	.2	.0	.0	.0	.0	16.2	16.0	469
JUL	.0	1.5	30.5	50.2	15.9	1.7	.2	.0	.0	.0	.0	16.3	16.0	478
AUG	.0	.7	35.7	49.5	13.1	.9	.2	.0	.0	.0	.0	16.0	16.0	459
SEP	.0	6.3	33.6	33.4	15.4	7.0	3.0	.6	.6	.0	.0	16.8	16.0	473
OCT	.0	19.6	35.3	16.1	14.1	9.1	3.6	1.2	.4	.0	.6	16.1	14.0	496
NOV	.2	9.0	18.0	22.4	22.2	13.6	8.5	4.6	1.4	.0	.0	20.2	20.0	433
DEC	.2	11.1	19.4	15.1	21.1	16.2	10.0	3.2	3.2	.4	.0	20.6	21.0	469
ANNUAL	.0	7.1	27.4	30.1	19.0	8.6	4.5	1.9	1.1	.1	.1	18.2	17.0	5590

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.6										1.9	4.3	4.0
020-040	.8	.6										1.4	4.5	4.0
050-070	1.2	1.2	.2	.1								2.7	5.9	5.0
(E) 080-100	1.9	4.5	1.3	1.2	.5	.3						9.8	9.3	7.0
110-130	2.9	15.7	9.1	4.1	.3							32.2	9.2	8.0
140-160	1.4	3.7	.5	.1								5.7	6.3	6.0
(S) 170-190	1.0	4.1	3.5	1.6	.5	.1	.1					11.0	10.6	10.0
200-220	.9	1.5	4.1	1.2	.6	.1	.1	.2				8.7	12.7	12.0
230-250	1.5	1.5	.4	.1	.1							3.7	6.4	5.0
(W) 260-280	2.2	2.0	.4									4.6	5.5	5.0
290-310	2.5	2.2		.1								4.7	5.1	4.0
320-340	1.3	1.2	.1									2.6	5.0	4.5
VARIABLE														
CALM	////////////////////											11.1	////////	
TOTALS	18.9	38.8	19.6	8.5	2.0	.5	.2	.2				100.0	7.7	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.1	.2									3.1	4.7	4.0
020-040	1.1	.2										1.3	3.9	4.0
050-070	1.9	.9	.1									2.9	4.4	4.0
(E) 080-100	1.9	2.8	1.2	.6	1.0	.2						7.7	10.1	7.0
110-130	3.1	12.3	9.6	3.2	.5							28.7	9.5	9.0
140-160	1.1	3.4	.9	.1								5.5	6.9	6.0
(S) 170-190	1.2	4.0	4.5	1.2	.2	.3						11.4	10.4	10.5
200-220	.8	3.2	3.8	1.2	.3							9.2	10.3	10.0
230-250	1.4	1.8	.4									3.7	6.1	5.0
(W) 260-280	1.9	1.4	.3									3.7	5.3	4.0
290-310	2.3	3.4			.2							5.9	5.7	5.0
320-340	.9	1.3	.1									2.3	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											14.6	////////////////////////////////	
TOTALS	19.4	35.8	21.1	6.3	2.2	.5						100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	1.1	.1									3.0	4.6	4.0
020-040	1.2	.5										1.7	4.4	4.0
050-070	1.5	1.1	.4									3.0	5.5	4.5
(E) 080-100	2.3	2.0	1.4	1.1	.3	.2						7.3	9.3	6.0
110-130	2.6	11.1	11.6	2.7	.8	.2						28.9	9.9	10.0
140-160	1.6	2.5	1.3	.3								5.7	7.4	6.0
(S) 170-190	1.8	4.9	3.2	1.1	.2		.1					11.4	9.1	8.0
200-220	.5	3.2	3.3	1.1	.6			.1				8.9	11.3	11.0
230-250	1.3	1.3										2.6	5.1	4.5
(W) 260-280	1.5	1.6	.2									3.3	4.9	5.0
290-310	2.4	4.2	.2									6.8	5.3	5.0
320-340	1.8	2.0										3.9	5.0	5.0
VARIABLE														
CALM	////////////////////////////////////											13.4	////////	
TOTALS	20.3	35.5	21.7	6.3	1.9	.4	.1	.1				100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.5										2.4	4.0	4.0
020-040	1.6	.6										2.3	4.4	4.0
050-070	1.1	1.3		.1								2.5	5.5	5.0
(E) 080-100	1.0	2.3	1.2	1.9	1.2	.1	.1					7.7	12.3	11.0
110-130	1.8	11.9	12.0	3.7	.8	.5						30.8	10.5	10.0
140-160	1.4	3.3	1.1									5.8	6.9	6.0
(S) 170-190	1.2	4.4	4.8	1.2	.3	.1						12.0	10.1	10.0
200-220	.9	3.8	3.2	1.7	.2	.2		.1				10.1	10.8	10.0
230-250	1.7	2.0	.5	.1								4.4	6.2	6.0
(W) 260-280	1.5	1.6	.2									3.3	5.2	5.0
290-310	1.7	4.1	.1									5.9	5.8	6.0
320-340	2.3	2.3	.2	.1								4.8	5.4	5.0
VARIABLE														
CALM	////////////////////											8.0	////////	
TOTALS	18.0	38.1	23.3	8.8	2.5	.9	.1	.1				100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	.9	.1									3.2	4.4	4.0
020-040	.8	.5										1.3	4.3	4.0
050-070	1.6	1.8										3.4	4.7	5.0
(E) 080-100	1.6	2.5	1.5	1.9	1.0	.2						8.7	11.5	11.0
110-130	1.0	7.0	17.0	5.8	.9	.5						32.2	11.8	12.0
140-160	.8	2.9	2.9	.3								6.9	8.7	9.0
(S) 170-190	.4	3.3	2.9	2.5	.3							9.5	11.3	11.5
200-220	.6	2.8	5.3	1.8	.6	.1	.3					11.6	12.0	11.0
230-250	.4	2.0	1.9	.3								4.7	9.4	9.0
(W) 260-280	1.2	2.2	.4									3.8	6.2	5.0
290-310	1.3	6.6	.4									8.3	6.1	6.0
320-340	.6	2.0										2.7	5.6	5.0
VARIABLE														
CALM	////////////////////											3.8	////////	
TOTALS	12.6	34.5	32.4	12.6	2.8	.8	.3					100.0	9.6	10.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.5										1.4	4.8	4.0
020-040	1.1	.3										1.4	4.0	4.0
050-070	1.0	.4										1.4	4.2	4.0
(E) 080-100	2.0	2.2	1.0	2.6	.9	.1	.1					8.8	11.3	10.5
110-130	1.3	9.6	19.8	4.8	1.5	.2						37.2	11.3	11.0
140-160	.9	2.6	2.5	.1								6.0	8.5	9.0
(S) 170-190	.6	3.7	2.5	1.3	.2							8.3	9.9	9.0
200-220	.3	2.6	4.7	1.7	.3							9.7	11.2	11.0
230-250	1.1	1.7	1.7	.2								4.7	7.9	7.5
(W) 260-280	2.3	3.9	.9		.1							7.1	6.4	5.5
290-310	1.3	4.8	.4									6.6	5.9	6.0
320-340	1.1	1.7	.6									3.4	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											4.0	////////////////////////////////	
TOTALS	13.9	34.0	34.1	10.7	3.0	.3	.1					100.0	9.2	10.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.1										.8	4.0	4.0
020-040	.3	.2										.5	4.2	4.0
050-070	1.4	.2										1.6	4.0	4.0
(E) 080-100	1.6	4.3	1.9	1.9	.6	.1						10.5	10.0	8.0
110-130	2.8	13.7	17.8	4.6	.8							39.7	10.2	10.0
140-160	.8	4.0	1.8	.1								6.7	8.2	8.0
(S) 170-190	1.4	3.7	2.8	2.7	.4							11.0	10.6	10.0
200-220	.9	1.3	3.9	1.5	.5							8.1	11.9	12.0
230-250	.5	1.1	.8	.3								2.7	8.6	8.0
(W) 260-280	1.2	1.7	.1									3.0	5.4	5.0
290-310	1.3	2.5	.2									4.0	5.9	5.0
320-340	1.1	2.0	.4	.2								3.8	6.5	5.0
VARIABLE														
CALM	////////////////////////////////////											7.7	////////	
TOTALS	13.9	34.8	29.7	11.3	2.3	.1						100.0	8.8	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.3										1.0	4.6	4.0
020-040	.8	.2										1.0	3.9	3.0
050-070	1.1	1.5	.2									2.8	5.3	5.0
(E) 080-100	2.4	3.2	1.2	1.6	.8							9.1	9.4	7.0
110-130	1.9	17.2	14.5	3.9	1.1	.1						38.7	10.0	10.0
140-160	1.6	3.5	1.1	.1								6.3	6.8	6.0
(S) 170-190	.5	3.8	3.7	.8	.8	.3						9.8	11.2	10.0
200-220	.6	1.6	3.8	2.5	.9							9.4	12.7	12.0
230-250	.5	1.2	.3	.3								2.4	8.2	7.0
(W) 260-280	.9	1.8	.1	.1								2.9	6.1	6.0
290-310	1.4	1.6	.1	.1								3.2	5.4	5.0
320-340	.9	1.0										1.8	4.6	5.0
.....														
VARIABLE														
CALM	////////////////////											11.6	////////////////	
TOTALS	13.2	36.9	25.0	9.4	3.6	.4						100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	.6	.1									2.1	4.5	4.0
020-040	.9	.4										1.4	4.2	4.0
050-070	1.3	1.0	.1	.0								2.5	5.0	4.0
(E) 080-100	1.8	3.0	1.3	1.6	.8	.2	.0					8.7	10.3	8.0
110-130	2.2	12.3	13.9	4.1	.8	.2						33.5	10.3	10.0
140-160	1.2	3.2	1.5	.1								6.1	7.5	7.0
(S) 170-190	1.0	4.0	3.5	1.5	.4	.1	.0					10.5	10.4	10.0
200-220	.7	2.5	4.0	1.6	.5	.1	.1	.1				9.5	11.6	11.0
230-250	1.1	1.6	.8	.2	.0							3.6	7.3	6.5
(W) 260-280	1.6	2.0	.3	.0	.0							4.0	5.7	5.0
290-310	1.8	3.7	.2	.0	.0							5.7	5.7	5.0
320-340	1.2	1.7	.2	.0								3.2	5.6	5.0
VARIABLE														
CALM	////////////////////											9.3	////////	
TOTALS	16.2	36.0	25.9	9.1	2.5	.6	.1	.1				100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.5	1.0	.1									3.7	4.5	4.0
020-040	1.0	.5										1.6	3.8	3.0
050-070	1.7	.9										2.6	3.9	4.0
(E) 080-100	2.4	3.5	.1									6.0	5.3	5.0
110-130	3.4	18.3	10.0	.7								32.4	8.0	8.0
140-160	2.4	4.5	.1									6.9	5.5	5.0
(S) 170-190	1.7	5.0	3.1	1.8	.7	.1						12.5	9.9	9.0
200-220	.8	1.7	2.5	.4	.3							5.6	10.1	12.0
230-250	1.0	.7	.1									1.8	5.1	4.0
(W) 260-280	1.7	2.0	.4									4.1	5.4	5.0
290-310	2.0	3.3										5.2	5.0	5.0
320-340	1.6	2.5	.1									4.2	5.2	5.0
VARIABLE														
CALM	////////////////////////////////////											13.4	////////////////////////////////	
TOTALS	22.2	43.9	16.5	2.9	1.0	.1						100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 763

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.7	.1									1.8	4.7	4.0
020-040	1.1	.2										1.3	4.0	4.0
050-070	1.7	.5	.1	.2								2.5	5.4	3.0
(E) 080-100	2.7	3.9	2.5	1.4	.5	.4						11.3	9.6	8.0
110-130	3.5	15.0	11.6	1.3	.5	.1		.1				32.2	9.0	9.0
140-160	.7	3.1	1.2	.2								5.2	7.9	7.5
(S) 170-190	.9	3.1	4.6	1.4	.4							10.4	10.5	10.0
200-220	.6	3.2	1.8	1.5		.1						7.2	10.3	9.0
230-250	.9	1.5	.4	.2								3.1	6.8	5.0
(W) 260-280	1.8	2.2	.1									4.1	4.9	5.0
290-310	2.0	2.5										4.5	4.9	5.0
320-340	1.2	1.7	.1									3.0	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											13.5	////////	
TOTALS	18.0	37.6	22.5	6.2	1.4	.6		.1				100.0	7.3	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.4	.1									1.4	4.7	4.0
020-040	1.3	.6										1.9	4.1	4.0
050-070	1.2	1.1		.1								2.4	5.0	4.5
(E) 080-100	1.8	3.3	1.5	.9	.6		.2					8.4	9.5	8.0
110-130	4.7	13.5	12.1	1.7	.5		.1					32.5	8.8	9.0
140-160	1.2	2.7	1.7	.2								5.8	8.0	7.0
(S) 170-190	1.5	2.6	3.5	1.5	.2							9.5	10.2	10.0
200-220	.8	2.2	2.5	2.1	.6							8.3	11.5	12.0
230-250	1.2	1.8	.2				.1					3.3	6.4	5.0
(W) 260-280	1.7	1.4	.1									3.2	5.0	4.0
290-310	2.4	2.8		.1								5.3	5.1	5.0
320-340	1.4	1.7										3.1	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											15.0	////////////////////////////////	
TOTALS	20.1	34.1	21.7	6.6	1.9		.4					100.0	7.1	7.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.1	.1									1.9	4.9	5.0
020-040	1.7	.5										2.1	4.1	4.0
050-070	1.3	1.1	.1	.1								2.6	5.3	4.5
(E) 080-100	1.4	3.7	.4	.8	.8		.1					7.2	9.6	7.0
110-130	2.2	11.8	12.1	2.1	.5		.2					29.0	9.8	10.0
140-160	1.7	3.4	1.5	.1								6.7	7.2	7.0
(S) 170-190	1.8	5.0	3.4	1.7	.1	.2						12.2	9.8	9.0
200-220	.9	2.4	3.1	3.1	.5	.1						10.0	11.8	12.0
230-250	2.5	1.2	.2	.1								4.0	5.3	4.0
(W) 260-280	2.0	1.4	.1									3.5	4.8	4.0
290-310	2.1	2.6	.1									4.8	5.1	5.0
320-340	1.3	.9	.1									2.4	5.0	4.0
VARIABLE														
CALM	////////////////////////////////////											13.5	////////	
TOTALS	19.6	35.1	21.2	8.0	1.9	.3	.3					100.0	7.5	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.5	.2									3.7	4.9	4.0
020-040	1.1	1.1										2.1	4.5	4.5
050-070	1.1	.7	.1									1.9	4.9	4.0
(E) 080-100	1.8	4.0	1.7	1.4	.7	.5	.1	.1				10.3	10.7	8.0
110-130	1.8	9.7	12.9	2.8	.6	.1						27.9	10.5	10.0
140-160	1.1	.6	1.7	.1								3.4	8.6	10.0
(S) 170-190	.8	4.3	5.6	2.7	.2							13.6	11.1	12.0
200-220	.4	3.3	4.1	2.1	.6	.1						10.6	11.7	11.0
230-250	.6	1.4	.6	.1	.1							2.8	8.4	9.0
(W) 260-280	.6	1.5	.1									2.2	6.0	6.0
290-310	2.5	5.2	.2	.1								8.0	5.6	5.0
320-340	2.0	2.8	.1									5.0	5.1	5.0
VARIABLE														
CALM	////////////////////////////////////											8.4	////////	
TOTALS	15.7	36.1	27.3	9.3	2.2	.7	.1	.1				100.0	8.5	8.0
TOTAL NUMBER OF OBSERVATIONS 846														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	2.0	.1									3.7	5.1	5.0
020-040	.7	.4	.2									1.3	5.2	4.0
050-070	1.4	1.7	.5	.1	.1							3.8	6.6	5.0
(E) 080-100	.8	2.6	1.7	3.1	1.7	.4	.1	.2				10.5	13.8	15.0
110-130	.5	7.3	13.1	3.8	.2							24.9	10.9	11.0
140-160	.2	1.8	1.4	.1								3.5	9.1	9.0
(S) 170-190	.2	3.0	5.6	1.4	.7							10.9	11.5	11.0
200-220	.9	2.8	6.3	3.3	.7							14.1	12.0	12.0
230-250	.6	.9	2.0	.4	.1							4.0	10.4	10.0
(W) 260-280	1.2	3.3	.4									4.8	6.4	7.0
290-310	2.5	5.2	1.5	.1								9.3	6.7	6.0
320-340	1.8	3.7	1.2	.1								6.7	6.9	6.0
VARIABLE														
CALM	////////////////////////////////////											2.4	////////////////////////////////	
TOTALS	12.3	34.7	34.0	12.4	3.5	.4	.1	.2				100.0	9.7	10.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	.4	.2									1.7	4.9	4.0
020-040	.5	.6	.1									1.2	5.5	5.0
050-070	.8	.9		.2	.1							2.1	7.0	5.0
(E) 080-100	.7	2.6	3.2	3.8	.9	.6	.2					12.1	13.7	14.0
110-130	.6	8.6	15.4	2.8	.1							27.5	10.5	10.0
140-160	.5	2.2	1.4	.4								4.5	8.6	8.0
(S) 170-190	.5	3.3	6.1	1.5	.4							11.8	10.9	10.0
200-220	.1	2.5	4.6	1.7	.4							9.2	11.6	11.0
230-250	.6	2.5	1.8	.1	.1							5.1	9.1	8.0
(W) 260-280	1.1	3.5	1.7	.2								6.5	7.7	7.0
290-310	1.8	6.6	1.2	.5								10.0	7.1	6.0
320-340	.7	2.6	1.2		.1							4.6	7.8	6.0
VARIABLE														
CALM	////////////////////////////////////											3.7	////////////////////////////////	
TOTALS	9.0	36.3	36.9	11.2	2.1	.6	.2					100.0	9.6	10.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	1.5										2.5	5.2	5.0
020-040	1.2	.4										1.5	3.7	4.0
050-070	1.3	1.5	.6									3.4	6.0	5.0
(E) 080-100	1.4	3.2	2.5	2.1	1.1	.2						10.5	11.4	10.0
110-130	1.3	15.7	13.2	2.7	.6	.6						34.2	10.1	10.0
140-160	.2	4.3	1.9	.1								6.5	8.2	8.0
(S) 170-190	.7	4.3	3.5	1.2								9.7	9.7	9.0
200-220	.2	2.2	3.9	1.7	.5							8.5	11.9	12.0
230-250	.4	2.0	.4									2.7	7.0	7.0
(W) 260-280	1.1	3.0	.1									4.1	6.0	6.0
290-310	1.5	4.0	.5									6.0	6.2	6.0
320-340	1.4	2.0	.6	.2								4.3	6.5	5.0
VARIABLE														
CALM	////////////////////											6.0	////////////////	
TOTALS	11.6	44.1	27.2	8.0	2.2	.8						100.0	8.6	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	.8	.1									2.2	5.2	4.0
020-040	.9	.2										1.2	3.8	3.0
050-070	1.1	1.1	.4	.1								2.6	6.4	5.0
(E) 080-100	2.5	4.3	2.5	2.0	.5	.5	.4					12.5	10.7	8.5
110-130	3.1	15.5	11.8	2.0	.4	.1						32.9	9.2	9.0
140-160	.5	4.3	1.2	.2								6.1	7.5	6.5
(S) 170-190	.6	3.3	2.5	.8	.2	.1						7.6	10.0	9.0
200-220	.8	2.0	6.0	1.2	.1							10.2	10.7	11.0
230-250	.7	1.8	.5	.1								3.1	6.8	6.0
(W) 260-280	1.4	1.7	.1									3.2	5.2	5.0
290-310	2.2	3.3	.2									5.8	5.5	5.0
320-340	.9	.8	.1									1.9	5.4	4.5
VARIABLE														
CALM	////////////////////////////////////											10.8	////////	
TOTALS	16.0	39.1	25.4	6.4	1.2	.7	.4					100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.0	.1									2.3	5.0	5.0
020-040	1.0	.5	.0									1.6	4.3	4.0
050-070	1.2	1.1	.2	.1	.0							2.7	5.9	5.0
(E) 080-100	1.6	3.4	2.0	2.0	.8	.3	.1	.0				10.4	11.3	10.0
110-130	2.2	12.1	12.8	2.4	.4	.1	.0	.0				30.1	9.8	10.0
140-160	.8	2.8	1.5	.2								5.2	8.0	8.0
(S) 170-190	.9	3.6	4.4	1.5	.3	.0						10.7	10.5	10.0
200-220	.6	2.6	4.0	2.1	.4	.0						9.8	11.5	11.0
230-250	.9	1.6	.8	.1	.0		.0					3.5	7.6	7.0
(W) 260-280	1.3	2.3	.3	.0								4.0	6.0	5.0
290-310	2.1	4.0	.5	.1								6.7	6.0	5.0
320-340	1.3	2.0	.4	.0	.0							3.9	6.1	5.0
VARIABLE														
CALM	////////////////////											9.1	////////	
TOTALS	15.1	37.0	27.0	8.5	1.9	.4	.1					100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.8	2.3	.2									3.3	5.6	5.0
020-040	2.0	1.1										3.1	4.1	4.0
050-070	1.3	.7										2.0	4.1	3.0
(E) 080-100	1.5	2.9	.5	.5								5.4	6.9	6.0
110-130	3.4	10.6	8.8	2.0	.2							25.0	8.7	8.0
140-160	1.3	3.3	1.3									5.9	7.2	6.0
(S) 170-190	1.1	5.9	7.3	2.1	.7	.2						17.3	10.9	10.5
200-220	.7	3.1	3.9	3.4	2.0	.2						13.2	13.2	13.0
230-250	1.0	.3	.5									1.8	6.0	4.0
(W) 260-280	1.1	.7	.2									2.0	5.2	4.0
290-310	3.3	2.6	.2									6.0	4.8	4.0
320-340	2.0	2.6	.2									4.7	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////										10.4	////////////////////////////////		
TOTALS	19.5	36.1	23.1	8.0	2.9	.4						100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 613

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.5	.1									1.6	4.7	4.0
020-040	.4	.3										.8	4.4	4.0
050-070	1.7	1.0										2.7	4.3	4.0
(E) 080-100	3.1	3.3	.6	.4	.1							7.6	6.6	5.0
110-130	2.4	15.9	4.9	1.3								24.5	7.9	7.0
140 160	1.4	4.8	.6	.1								7.0	6.4	6.0
(S) 170-190	1.0	4.4	4.0	1.2								10.5	9.6	9.0
200-220	.8	3.2	3.8	1.0								8.7	9.5	10.0
230-250	1.2	2.5	.9									4.5	6.5	6.0
(W) 260-280	1.3	2.3										3.5	5.0	5.0
290-310	3.4	4.7	.3									8.5	5.1	5.0
320-340	1.0	1.8	.1	.1								3.0	5.9	5.0
VARIABLE														
CALM	////////////////////											17.0	////////	
TOTALS	18.7	44.7	15.3	4.1	.1							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.5										1.2	4.5	4.0
020-040	.4	.3										.8	4.1	4.0
050-070	1.9	.8										2.7	4.1	4.0
(E) 080-100	2.9	2.8	.4		.4							6.6	6.2	5.0
110-130	5.2	13.1	5.6	.3	.1							24.3	7.3	7.0
140-160	1.8	5.1	.9									7.7	6.3	6.0
(S) 170-190	1.5	7.2	3.4	1.0	.3							13.4	8.6	8.0
200-220	1.2	3.7	4.2	1.1	.1							10.2	9.9	10.0
230-250	.8	.9	.2									1.8	6.1	6.0
(W) 260-280	1.5	1.9	.1									3.5	4.9	5.0
290-310	3.2	3.0	.4									6.7	5.5	5.0
320-340	.9	1.3	.4	.1								2.7	6.3	5.0
VARIABLE														
CALM	////////////////////											18.4	////	////
TOTALS	21.9	40.6	15.6	2.5	.9							100.0	5.9	6.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	.6										1.6	4.3	4.0
020-040	.8	.3										1.1	4.0	4.0
050-070	1.3	.4										1.7	4.1	4.0
(E) 080-100	1.0	2.9	.6	.4	.2							5.2	7.8	6.0
110-130	2.6	14.1	6.0	.2	.6							23.5	8.2	8.0
140-160	2.4	4.0	.9	.2								7.4	6.3	6.0
(S) 170-190	2.5	5.7	3.8	1.1	.2							13.2	8.6	8.0
200-220	.8	4.5	4.5	1.4								11.2	9.8	10.0
230-250	2.0	1.5	.2									3.8	5.3	4.0
(W) 260-280	2.7	2.0	.3		.1							5.2	5.7	4.0
290-310	3.1	3.0	.1									6.2	5.1	4.5
320-340	1.3	2.0	.3	.1								3.8	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////											16.1	////////	
TOTALS	21.5	41.0	16.7	3.4	1.1							100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GF 65			
(N) 350-010	1.5	1.5	.1									3.1	4.9	5.0
020-040	1.3	.5										1.8	4.2	4.0
050-070	.9	1.4										2.3	5.3	5.0
(E) 080-100	.3	3.5	.8	.6	.6							5.9	9.6	7.0
110-130	1.3	7.7	8.3	1.2	.6							19.1	9.8	10.0
140-160	1.0	2.8	1.4	.1								5.3	8.0	8.0
(S) 170-190	.4	4.9	6.0	1.3	.2							12.9	10.0	10.0
200-220	.5	4.0	6.0	2.8	.4							13.8	11.4	11.5
230-250	.9	1.8	1.0	.2	.1	.1						4.1	8.7	7.0
(W) 260-280	1.6	3.7	.3									5.6	5.9	6.0
290-310	2.9	8.7	1.0	.1	.1							12.8	6.4	6.0
320-340	2.6	3.8	.5									6.9	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											6.5	////////	
TOTALS	15.2	44.3	25.4	6.3	2.0	.1						100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	2.9	.1									4.5	5.0	5.0
020-040	1.3	1.5										2.8	4.7	5.0
050-070	.4	3.3	.1									3.9	5.8	6.0
(E) 080-100	1.1	3.9	2.4	.8	.4							8.5	9.3	8.0
110-130	.8	4.9	6.1	1.3	.5	.1						13.8	10.5	10.0
140-160		2.0	1.1	.2								3.3	9.0	9.0
(S) 170-190	.6	4.3	4.3	1.6	.4							11.3	10.4	10.0
200-220	.6	3.7	6.1	2.6	.9							13.9	11.8	11.0
230-250	.9	1.6	3.5	.6	.1							6.8	10.1	11.0
(W) 260-280	.1	6.2	.8	.6								7.7	8.2	8.0
290-310	.9	9.2	3.9	.5	.1							14.6	8.3	8.0
320-340	1.4	4.4	.9									6.7	6.5	6.0
VARIABLE														
CALM	////////////////////////////////////											2.3	////////////////////////////////	
TOTALS	9.6	47.9	29.3	8.2	2.4	.1						100.0	8.9	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	1.4	.8									4.1	5.5	5.0
020-040	1.2	1.0	.3									2.5	5.4	5.0
050-070	1.3	2.3	.5									4.1	6.1	5.5
(E) 080-100	.8	4.2	3.0	1.6	.2							9.8	10.0	9.0
110-130	.6	6.0	5.3	.9	.2							13.0	9.8	9.0
140-160	.6	2.7	1.1	.1								4.5	7.8	8.0
(S) 170-190	.2	5.4	3.9	1.7	.1	.1						11.4	10.3	10.0
200-220	.3	3.5	5.5	1.7	.3							11.4	10.9	10.0
230-250	.3	3.2	3.7	.2	.1							7.5	9.4	10.0
(W) 260-280	1.0	3.5	1.9	.3								6.8	8.3	8.0
290-310	1.0	9.1	3.7	.5								14.3	8.2	8.0
320-340	1.8	3.5	2.6	.2								8.2	7.9	8.0
VARIABLE														
CALM	////////////////////////////////////											2.5	////////////////////////////////	
TOTALS	11.0	45.8	32.3	7.2	.9	.1						100.0	8.7	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	2.0	.2									3.4	5.9	6.0
020-040	1.0	.9	.1									1.9	4.9	4.5
050-070	1.6	1.5	.4									3.5	5.4	5.0
(E) 080-100	1.4	5.3	2.5	.4	.1							9.7	8.1	7.5
110-130	1.4	11.5	5.9	1.6	.2							20.6	8.9	8.0
140-160	1.1	3.8	1.4									6.2	7.6	8.0
(S) 170-190	.8	5.2	3.4	.6	.1							10.1	8.9	8.0
200-220	.6	3.7	3.5	.6								8.5	9.3	9.0
230-250	1.2	1.8	1.1	.1								4.2	7.4	7.0
(W) 260-280	.8	3.4	.9									5.1	7.1	7.0
290-310	2.3	7.4	1.4	.3								11.4	7.0	6.5
320-340	.8	5.1	2.7									8.5	7.8	8.0
VARIABLE														
CALM	////////////////////											6.8	////////	
TOTALS	14.2	51.6	23.5	3.6	.4							100.0	7.4	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL &	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.0										1.4	5.6	5.0
020-040	1.0	.1										1.1	3.5	3.0
050-070	2.3	.5										2.8	4.0	4.0
(E) 080-100	3.0	3.4	1.0	.4	.1							8.0	6.7	5.0
110-130	2.2	15.6	7.1	1.2								26.0	8.2	8.0
140-160	.6	4.6	.8	.1								6.1	7.2	7.0
(S) 170-190	1.6	5.3	4.0	.9								11.1	8.9	8.0
200-220	.1	3.0	2.2	1.0	.1							6.3	10.4	10.0
230-250	.8	2.7	.3									3.8	6.0	5.0
(W) 260-280	1.4	4.5	.2									6.1	5.5	5.0
290-310	2.0	7.8	1.0									10.9	6.1	6.0
320-340	1.4	3.3	1.0	.2								5.9	6.7	6.0
VARIABLE														
CALM	////////////////////////////////////											10.5	////////	
TOTALS	16.2	51.8	17.6	3.8	.2							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.3	.2									2.6	5.2	5.0
020-040	.9	.6	.1									1.6	4.6	4.0
050-070	1.4	1.4	.1									3.0	5.0	5.0
(E) 080-100	1.7	3.7	1.4	.6	.3							7.6	8.1	6.0
110-130	2.0	11.1	6.2	1.0	.3	.0						20.6	8.6	8.0
140-160	1.1	3.7	1.0	.1								6.0	7.1	7.0
(S) 170-190	1.0	5.3	4.1	1.2	.2	.0						11.7	9.4	9.0
200-220	.6	3.7	4.5	1.5	.2							10.5	10.5	10.0
230-250	1.0	2.0	1.4	.1	.0	.0						4.6	7.9	7.0
(W) 260-280	1.3	3.5	.6	.1	.0							5.4	6.6	6.0
290-310	2.4	6.6	1.5	.2	.0							10.7	6.8	6.0
320-340	1.4	3.2	1.1	.1								5.7	6.8	6.0
VARIABLE														
CALM	////////////////////////////////////											10.0	////////////////////////////////	
TOTALS	15.9	46.1	22.2	4.9	1.0							100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	1.5	.4									2.5	6.1	6.0
020-040	.7	.4										1.1	4.0	4.0
050-070	1.5	.7										2.2	4.3	4.0
(S) 080-100	.7	3.3										4.0	5.3	5.0
110-130	2.2	9.1	4.0	2.2	1.5							18.9	9.5	8.0
140-160	2.2	4.7	1.1	.7								8.7	7.4	6.0
(S) 170-190	2.5	8.0	5.1	1.1	.4							17.1	6.4	8.0
200-220	1.1	4.0	2.5	2.2	.4							10.2	10.5	9.5
230-250	2.5	1.8										4.4	5.0	4.0
(W) 260-280	1.1	2.2										3.3	5.1	5.0
290-310	2.9	3.6										6.5	5.1	5.0
320-340	3.6	2.9	1.1									7.6	5.5	5.0
VARIABLE														
CALM	////////////////////											13.5	////////	////
TOTALS	21.7	42.2	14.2	6.2	2.3							100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 275

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.1	.2									2.3	5.5	5.0
020-040	.8	.1										.9	3.6	3.5
050-070	2.6	.3										2.9	3.7	3.5
(E) 080-100	3.7	1.7	.1									5.4	4.4	4.0
110-130	2.4	9.9	.9	.2								13.4	6.3	6.0
140-160	1.1	5.2										6.3	5.9	6.0
(S) 170-190	1.2	6.6	3.0	.4	.1							11.3	8.2	8.0
200-220	1.1	3.4	2.2	.2	.2							7.2	8.4	8.0
230-250	1.4	2.4	.4	.1	.1							4.6	6.5	6.0
(W) 260-280	2.4	3.7										6.1	5.1	5.0
290-310	3.2	7.7	.7	.1								11.7	5.8	6.0
320-340	2.1	7.1	1.0									10.2	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											17.6	////////////////////////////////	
TOTALS	23.0	49.2	8.5	1.0	.4							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	.8										2.6	4.0	4.0
020-040	.8	.2										1.0	3.9	4.0
050-070	1.4	.6										2.0	4.0	4.0
(E) 080-100	3.0	2.9	.2									6.1	4.9	5.0
110-130	4.0	9.3	1.3	.1								14.8	6.1	6.0
140-160	2.7	3.2	.3									6.2	5.4	5.0
(S) 170-190	2.2	7.6	4.6	.4	.1							14.9	8.1	8.0
200-220	1.0	4.1	2.4	.3								7.9	8.1	8.0
230-250	1.4	1.7	.1									3.2	5.0	5.0
(W) 260-280	1.4	2.1										3.6	4.9	5.0
290-310	2.1	6.6	.4									9.1	5.9	6.0
320-340	1.4	3.7	.4									5.6	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											23.1	////////////////////////////////	
TOTALS	23.2	42.8	9.7	.8	.1							100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	1.4										3.6	4.2	4.0
020-040	.8	.6										1.3	4.3	4.0
050-070	1.2	.4										1.7	4.2	4.0
(E) 080-100	1.4	2.0	.3									3.8	5.4	5.0
110-130	2.3	9.4	2.6	.1	.2							14.7	7.2	6.0
140-160	.9	2.9	.3									4.1	6.0	5.0
(S) 170-190	2.2	8.0	3.9	1.0								15.1	8.1	7.0
200-220	.8	4.9	3.9	.3								9.9	8.7	8.0
230-250	.8	1.4	.2									2.4	5.9	5.0
(W) 260-280	1.9	2.6		.1								4.6	5.3	5.0
290-310	1.9	7.9	.7	.1								10.6	5.9	6.0
320-340	2.4	4.4	.6									7.4	5.7	5.0
VARIABLE														
CALM	////////////////////											20.9	////////	
TOTALS	18.7	45.9	12.5	1.6	.2							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	3.2	2.3	.2									5.8	4.7	4.0
020-040	1.8	2.1										3.9	4.7	5.0
050-070	1.4	3.0										4.4	5.3	5.0
(E) 080-100	.9	2.0	.4	.4	.8							4.6	9.8	8.0
110-130	.9	2.9	2.0	.3								6.1	8.5	9.0
140-160	1.0	1.6	.4									3.0	6.1	6.0
(S) 170-190	1.0	4.8	4.9	1.9	.1							12.7	10.1	10.0
200-220	.6	3.8	5.7	.8	.1							10.9	10.1	10.0
230-250	1.2	3.2	2.1	.2								6.8	8.1	8.0
(W) 260-280	2.0	4.8	.8	.1								7.7	6.3	6.0
290-310	3.6	12.0	1.3									16.9	6.4	6.0
320-340	3.6	6.3	.4									10.3	5.6	6.0
VARIABLE														
CALM	////////////////////////////////////										7.0	////////////////////////////////		
TOTALS	21.2	48.8	18.2	3.7	1.0							100.0	6.9	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	4.7	.3									7.2	5.3	5.0
020-040	1.4	2.7	.1									4.2	5.2	5.0
050-070	1.3	2.9	.2									4.4	5.3	5.0
(E) 080-100	.8	2.7	.8	1.8	.4	.1						6.6	10.9	8.0
110-130	.6	1.7	1.4	.3		.1						4.1	9.5	8.0
140-160	.4	1.9	.8									3.1	7.9	7.0
(S) 170-190	.2	3.9	3.8	1.4	.3							9.7	10.5	10.0
200-220	.3	3.2	4.2	1.2	.1							9.1	10.5	10.0
230-250	1.1	4.3	2.3	.8								8.6	8.7	8.0
(W) 260-280	1.4	7.7	2.6		.1							11.8	7.6	7.0
290-310	1.3	10.1	3.4	.6								15.4	7.9	8.0
320-340	2.0	7.8	2.0	.2								12.0	7.0	7.0
VARIABLE														
CALM	////////////////////////////////////											3.8	////////////////////////////////	
TOTALS	13.0	53.6	21.9	6.3	.9	.2						100.0	7.9	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	3.2	.6	.3								6.0	6.4	5.5
020-040	1.2	2.1										3.3	5.0	5.0
050-070	1.1	3.0	.6									4.7	6.1	5.0
(E) 080-100	.7	2.0	1.4	2.2	.4							6.8	11.4	10.0
110-130	.1	2.1	2.2	.2		.1						4.8	9.6	10.0
140-160	.3	1.2	.8									2.3	8.0	8.0
(S) 170-190	.4	3.3	3.8	1.0	.1	.2						8.9	10.5	10.0
200-220	.4	2.0	3.4	.9	.1							6.9	10.5	10.0
230-250	.6	3.7	3.1	.6	.1							8.0	9.5	9.0
(W) 260-280	1.2	6.0	3.2	.6	.1							11.1	8.2	7.5
290-310	1.2	12.4	5.2	.8	.1							19.8	8.2	8.0
320-340	2.0	6.0	4.9	1.0								13.9	8.8	8.0
VARIABLE														
CALM	////////////////////											3.6	////	////
TOTALS	11.1	47.0	29.2	7.6	.9	.3						100.0	8.4	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	3.2	1.8	.3								7.4	7.4	7.0
020-040	.8	.6										1.3	4.6	4.0
050-070	2.0	1.4	.4									3.9	5.5	4.0
(E) 080-100	.9	2.9	1.9	.4		.1						6.2	8.9	8.0
110-130	.7	4.0	1.6		.1	.1						6.4	8.2	7.5
140-160	.2	2.2	.7	.1								3.2	8.1	8.0
(S) 170-190	.6	4.8	2.4	.6	.1							8.4	8.9	8.0
200-220	.2	2.9	3.3	.4		.1						7.0	9.7	10.0
230-250	.9	2.8	1.8	.2	.1							5.8	8.5	8.0
(W) 260-280	1.4	5.8	1.6	.4								9.2	7.3	7.0
290-310	2.2	10.6	3.6	.6	.1							17.0	7.7	7.0
320-340	1.3	8.7	7.9	.7								18.6	9.0	9.0
VARIABLE														
CALM	////////////////////											5.4	////////	
TOTALS	13.3	49.9	27.0	3.7	.4	.3						100.0	7.8	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	3.6	.8									5.6	6.3	6.0
020-040	1.1	.2										1.3	3.9	4.0
050-070	1.7	1.2										2.9	4.5	4.0
(E) 080-100	1.7	3.0	.6	.2		.2						5.7	6.9	5.0
110-130	1.2	7.1	1.0	.1		.1						9.6	7.0	6.0
140-160	.6	2.0	.6									3.1	6.6	6.0
(S) 170-190	1.4	5.4	2.6	.6	.2							10.2	8.4	8.0
200-220	.3	3.2	1.7	.2		.1						5.6	8.8	8.0
230-250	1.4	4.0	.9									6.3	6.3	6.0
(W) 260-280	3.0	5.8	.4									9.2	5.6	5.0
290-310	4.7	9.9	2.7	.1								17.3	6.4	6.0
320-340	2.4	8.1	3.1	.8								14.4	7.7	7.0
VARIABLE														
CALM	////////////////////////////////////											8.8	////////////////////////////////	
TOTALS	20.7	53.5	14.4	2.0	.2	.4						100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: ALL

		WIND SPEED IN KNOTS													
DIRECTION		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)													%	WIND	WIND
(N)	350-010	1.9	2.5	.5	.1								5.1	5.7	5.0
	020-040	1.1	1.1	.0									2.2	4.7	4.5
	050-070	1.6	1.6	.2									3.4	5.1	5.0
(E)	080-100	1.6	2.4	.7	.6	.2	.1						5.6	8.0	6.0
	110-130	1.5	5.8	1.6	.2	.0	.1						9.2	7.3	6.0
	140-160	.9	2.5	.5	.0								3.9	6.5	6.0
(S)	170-190	1.2	5.5	3.6	.9	.1	.0						11.4	9.0	8.0
	200-220	.6	3.4	3.4	.6	.1	.0						8.1	9.4	9.0
	230-250	1.1	2.9	1.4	.2	.0							5.7	7.8	7.0
(W)	260-280	1.9	4.8	1.1	.2	.0							7.9	6.6	6.0
	290-310	2.5	9.6	2.3	.3	.0							14.7	7.0	6.0
	320-340	2.2	6.5	2.5	.3								11.6	7.4	7.0
VARIABLE															
CALM		////////////////////////////////////											11.3	////////	
TOTALS		18.1	48.6	17.8	3.4	.4	.2						100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.2	.7										3.0	3.9	3.0
020-040	1.8	.7										2.6	4.3	4.0
050-070	1.5	1.1										2.6	5.3	4.0
(E) 080-100	1.5	1.5	.4									3.3	5.3	5.0
110-130	3.3	8.1	4.4									15.9	7.1	6.0
140-160	1.8	4.1	1.1									7.0	6.8	7.0
(S) 170-190	3.3	5.5	4.1	1.5								14.4	8.1	9.0
200-220	.4	3.7	3.7									7.7	8.6	8.0
230-250	1.8	.7	.4									3.0	4.9	3.5
(W) 260-280	3.0	3.3										6.3	5.0	5.0
290-310	1.8	10.3		.4								12.5	6.1	6.0
320-340	3.0	4.8										7.7	5.3	5.0
VARIABLE														
CALM	////////////////////											14.0	////////	
TOTALS	25.4	44.5	14.1	1.9								100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 271

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	3.2										6.9	4.8	4.0
020-040	1.2	.3										1.5	4.0	4.0
050-070	2.4	.5										2.9	4.0	4.0
(E) 080-100	3.0	.9	.3									4.2	4.7	4.0
110-130	3.3	4.5	.5									8.4	5.5	5.0
140-160	1.6	3.8	.2									5.6	5.7	5.0
(S) 170-190	1.1	5.2	1.4									7.6	7.1	6.0
200-220	1.4	3.4	1.8	.2								6.9	7.5	6.5
230-250	1.2	2.4	.2	.1								3.9	5.7	5.0
(W) 260-280	3.1	3.0										6.1	4.7	4.0
290-310	3.5	9.9	.3									13.8	5.7	5.0
320-340	4.4	13.4	1.1									18.9	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											13.3	////////////////////////////////	
TOTALS	29.9	50.5	5.8	.3								100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	1.1										4.1	4.2	4.0
020-040	1.4	.4										1.8	4.1	4.0
050-070	1.9	.4										2.4	3.9	4.0
(E) 080-100	2.7	1.9	.1									4.7	4.6	4.0
110-130	3.7	7.7	.5									11.9	5.7	5.0
140-160	2.4	3.5	.3									6.2	5.5	5.0
(S) 170-190	2.8	8.0	.5									11.3	6.0	6.0
200-220	1.7	3.9	1.6	.2								7.4	7.2	7.0
230-250	1.9	1.8	.2									4.0	5.1	5.0
(W) 260-280	2.7	1.7										4.4	4.3	4.0
290-310	3.3	5.6	.3	.1								9.4	5.5	5.0
320-340	3.1	7.5	.8									11.4	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											21.0	////////	
TOTALS	30.6	43.5	4.3	.3								100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.7										5.5	4.6	4.0
020-040	1.7	.8										2.5	4.1	4.0
050-070	1.4	2.0										3.4	4.7	5.0
(E) 080-100	1.8	2.5	.5									4.8	5.7	5.0
110-130	2.0	6.8	1.2									10.0	6.5	6.0
140-160	1.6	4.1	.3									6.0	5.9	6.0
(S) 170-190	3.2	10.1	2.3									15.6	6.7	6.0
200-220	1.3	4.8	2.2	.2								8.5	7.6	7.0
230-250	1.3	1.9	.3									3.5	5.5	5.0
(W) 260-280	1.9	2.2	.1									4.2	5.1	5.0
290-310	3.5	6.5	.8									10.8	5.7	5.0
320-340	3.5	4.8	1.5	.1								10.0	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											15.2	////////	
TOTALS	26.0	49.2	9.2	.3								100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.1	3.8	.2									8.1	5.0	4.0
020-040	2.9	3.3										6.2	4.7	5.0
050-070	1.8	4.4										6.2	5.4	6.0
(E) 080-100	1.0	2.6	.3									3.9	6.4	6.0
110-130	1.1	2.3	1.2									4.5	7.2	7.0
140-160	.2	1.7	.5									2.5	7.4	7.0
(S) 170-190	.5	5.4	3.9	.8	.1							10.6	9.3	9.0
200-220	.6	4.8	4.3	.2								10.0	8.9	9.0
230-250	1.2	3.8	1.1	.1								6.1	6.9	6.0
(W) 260-280	1.4	5.9	.5	.1								8.0	6.2	6.0
290-310	3.1	11.0	.9	.1								15.1	6.1	6.0
320-340	3.1	9.1	.9	.1								13.2	6.0	5.0
VARIABLE														
CALM	////////////////////////////////////											5.6	////////////////////////////////	
TOTALS	21.0	58.1	13.8	1.4	.1							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	7.7	.3									10.8	5.7	5.0
020-040	1.9	3.4	.1	.1								5.6	5.5	5.0
050-070	1.1	3.8	.1									4.9	5.6	6.0
(E) 080-100	.9	2.6	.5	.2								4.2	7.3	7.0
110-130	.4	2.0	1.1									3.5	7.6	7.0
140-160	.4	1.3	.1									1.8	6.8	6.0
(S) 170-190	1.0	3.8	1.8	.8								7.3	8.7	8.0
200-220	.6	4.6	3.5	.9								9.7	9.3	9.0
230-250	1.3	3.8	2.2	.4	.1							7.7	8.7	8.0
(W) 260-280	.9	5.8	2.2	.2								9.0	7.6	7.0
290-310	1.2	12.3	4.3	.2								18.0	8.0	8.0
320-340	1.9	10.2	2.2	.3								14.6	7.1	7.0
VARIABLE														
CALM	////////////////////////////////////											2.8	////////	
TOTALS	14.3	61.3	18.4	3.1	.1							100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	6.5	2.3									10.1	7.2	7.0
020-040	1.5	1.9										3.4	5.1	5.0
050-070	.5	2.0	.1									2.7	5.6	5.0
(E) 080-100	.6	2.6	.4									3.7	6.8	6.0
110-130	.4	2.2	1.2	.2								4.0	8.5	8.0
140-160	.3	1.2	.2									1.7	6.6	7.0
(S) 170-190	.8	2.6	1.9	.2								5.5	8.6	9.0
200-220	.4	2.5	3.3	.6								6.9	9.8	10.0
230-250	.5	4.5	2.8	.6	.1							8.6	9.4	9.0
(W) 260-280	.9	5.8	2.6	.4								9.7	8.5	8.0
290-310	.9	12.3	6.2	1.0	.1							20.4	8.6	8.0
320-340	1.7	13.2	5.4	1.2								21.5	8.4	8.0
VARIABLE														
CALM	////////////////////////////////////											1.8	////////////////////////////////	
TOTALS	9.9	57.3	26.4	4.2	.2							100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	7.0	3.9	.2								12.4	8.2	8.0
020-040	1.1	2.0										3.1	5.3	5.0
050-070	.6	1.6										2.3	5.1	5.0
(E) 080-100	.3	2.7	.4	.1								3.5	7.2	7.0
110-130	.4	3.8	.4									4.6	6.5	6.0
140-160		1.6	.3									1.9	7.7	7.5
(S) 170-190	.3	3.2	1.2	.1								4.8	8.1	8.0
200-220		2.4	1.8	.1								4.3	9.0	8.0
230-250	.4	3.0	1.5									4.9	8.1	8.0
(W) 260-280	1.1	5.5	1.5	.2								8.3	7.4	7.0
290-310	1.1	9.9	5.2	1.0								17.1	8.6	8.0
320-340	2.0	16.0	10.5	1.3								29.9	8.9	9.0
VARIABLE														
CALM	////////////////////											2.8	////////	
TOTALS	8.6	58.7	26.7	3.0								100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	4.1	1.4									7.1	6.8	6.0
020-040	1.0	.1	.1									1.2	4.5	4.0
050-070	1.6	.6										2.3	4.2	4.0
(E) 080-100	1.6	2.0	.1									3.8	5.2	5.0
110-130	2.3	4.8										7.1	5.5	6.0
140-160	.3	1.5	.1									1.9	6.0	6.0
(S) 170-190	1.1	3.2	.9									5.2	6.8	6.5
200-220	1.1	2.5	.5	.1								4.2	6.9	7.0
230-250	1.2	3.5	1.0	.1								5.8	6.8	6.0
(W) 260-280	2.9	4.7	.2									7.8	5.2	5.0
290-310	2.0	15.1	2.7	.2								20.0	6.9	6.0
320-340	1.5	18.7	4.9	.2								25.4	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											8.3	////////////////////////////////	
TOTALS	18.2	60.8	11.9	.6								100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS														
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	2.6	4.5	1.0	.0								8.1	6.2	6.0
020-040	1.6	1.5	.0	.0								3.2	4.8	4.5
050-070	1.4	1.9	.0									3.4	5.0	5.0
(E) 080-100	1.5	2.2	.3	.0								4.1	5.9	5.0
110-130	1.7	4.3	.8	.0								6.8	6.3	6.0
140-160	.9	2.3	.3									3.5	6.1	6.0
(S) 170-190	1.3	5.2	1.7	.2	.0							8.5	7.5	7.0
200-220	.9	3.6	2.4	.3							7.2	8.4	8.0	
230-250	1.1	3.1	1.2	.2	.0							5.6	7.4	7.0
(W) 260-280	1.9	4.3	.9	.1								7.2	6.5	6.0
290-310	2.3	10.3	2.6	.3	.0							15.6	7.2	7.0
320-340	2.7	11.6	3.4	.4								18.1	7.4	7.0
VARIABLE														
CALM	////////////////////////////////////											8.8	////////////////////////////////	
TOTALS	19.9	54.8	14.6	1.5								100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	4.4										7.1	5.3	5.5
020-040	2.7	1.8										4.4	4.4	4.0
050-070	2.7											2.7	4.0	4.0
(E) 080-100	.9	2.7										3.5	5.5	6.0
110-130	1.8	9.7	2.7									14.2	6.9	6.5
140-160		5.3	.9									6.2	8.1	8.0
(S) 170-190		5.3	.9									6.2	7.3	7.0
200-220	1.8	3.5	1.8	.9								8.0	8.4	7.0
230-250	2.7	1.8										4.4	4.0	4.0
(W) 260-280	.9											.9	3.0	3.0
290-310	3.5	8.8										12.4	5.1	5.0
320-340	2.7	10.6	1.8	.9								15.9	7.1	7.0
VARIABLE														
CALM	////////////////////////////////////											14.2	////////////////////////////////	
TOTALS	22.4	53.9	8.1	1.8								100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 113

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.4	7.4	.3									12.2	5.2	5.0
020-040	2.3	.8										3.1	3.8	3.5
050-070	2.0	.7										2.7	3.9	4.0
(E) 080-100	1.6	1.2										2.8	4.9	4.0
110-130	1.9	4.0										5.9	5.3	5.0
140-160	.8	1.8	.1									2.7	5.6	5.0
(S) 170-190	1.0	4.3	1.3									6.7	7.3	7.0
200-220	1.1	4.3	1.2	.1								6.8	7.4	7.0
230-250	1.6	1.3	.3									3.2	5.6	5.0
(W) 260-280	2.4	2.0										4.4	4.6	4.0
290-310	1.6	12.8	1.1									15.4	6.4	6.0
320-340	3.8	19.0	2.4									25.2	6.5	6.0
VARIABLE														
CALM	////////////////////											8.9	////////	
TOTALS	24.5	59.6	6.7	.1								100.0	5.5	6.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	5.1	.1									9.1	4.9	5.0
020-040	2.0	.8										2.8	4.2	4.0
050-070	2.3	.2										2.6	4.0	4.0
(E) 080-100	1.8	1.7	.2									3.7	5.1	5.0
110-130	2.9	4.3	1.0									8.2	5.6	5.0
140-160	1.4	2.8										4.2	4.9	5.0
(S) 170-190	1.9	6.8	1.0									9.7	6.4	6.0
200-220	1.4	3.8	1.7									6.9	7.1	6.0
230-250	1.1	.9										2.0	4.9	4.0
(W) 260-280	1.3	1.1										2.4	4.6	4.0
290-310	3.1	6.6	.2									9.9	5.6	5.0
320-340	4.0	15.8	.9									20.7	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////											17.9	////////	
TOTALS	27.1	49.9	5.1									100.0	4.6	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.8	6.1	.1									12.0	5.1	5.0
020-040	1.9	.9										2.8	4.2	4.0
050-070	1.7	1.2										2.9	4.4	4.0
(E) 080-100	1.7	1.4										3.1	4.7	4.0
110-130	1.1	4.1	.9									6.1	6.8	6.0
140-160	.8	3.2	.2									4.2	6.1	6.0
(S) 170-190	2.2	7.0	2.4	.2								11.9	7.1	7.0
200-220	.8	5.6	2.6	.1								9.0	8.0	8.0
230-250	1.0	1.9	.2									3.1	5.5	5.0
(W) 260-280	2.4	1.2										3.7	4.2	4.0
290-310	3.8	6.8	.1									10.7	5.4	5.0
320-340	4.3	12.3	1.2	.2								18.1	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											12.4	////////////////////////////////	
TOTALS	27.5	51.7	7.7	.5								100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 09-11

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		3.7	7.0	.1									10.8	5.4	5.0
020-040		2.2	2.4										4.7	4.8	5.0
050-070		.7	2.8	.2									3.7	6.1	6.0
(E) 080-100		.9	1.7	.3	.2	.1							3.2	7.8	7.0
110-130		.6	1.6	.9	.1								3.1	7.9	8.0
140-160		.2	2.2										2.4	6.3	6.0
(S) 170-190		1.3	4.2	3.2	.3								9.1	8.6	8.0
200-220		.6	4.1	2.8	.4								7.9	9.0	9.0
230-250		.3	3.0	1.9	.1								5.3	8.1	8.0
(W) 260-280		2.8	7.4	.2	.1								10.6	5.9	6.0
290-310		4.4	12.9	1.0									18.3	6.1	6.0
320-340		3.2	12.9	1.4	.1								17.7	6.3	6.0
VARIABLE															
CALM		////////////////////////////////////											3.2	////////////////////////////////	
TOTALS		20.9	62.2	12.0	1.3	.1							100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	7.7	1.0									10.2	6.1	5.5
020-040	2.0	4.3										6.3	5.0	5.0
050-070	1.1	2.2	.1	.2								3.7	6.0	5.0
(E) 080-100	.2	1.3	1.1	.2								2.9	9.0	9.0
110-130	.7	1.1	.2	.1								2.1	7.2	7.0
140-160	.4	.9	.3									1.7	6.7	6.0
(S) 170-190	.7	2.2	2.7	.1	.1							5.8	9.1	9.5
200-220	.8	4.6	2.8	.4								8.6	9.1	9.0
230-250	.8	3.8	1.9									6.4	7.8	8.0
(W) 260-280	.7	7.4	1.2	.2								9.6	7.6	8.0
290-310	1.7	16.3	4.6	.2								22.8	7.5	7.0
320-340	1.4	11.8	4.3	.1								17.7	7.4	7.0
VARIABLE														
CALM	////////////////////											2.3	////////	
TOTALS	12.1	63.6	20.2	1.5	.1							100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.0	7.8	3.0									12.8	7.3	7.0
020-040	1.0	2.6										3.6	5.5	5.0
050-070	.7	1.4		.1								2.2	5.6	5.0
(E) 080-100	.3	2.9	.9	.2								4.3	8.1	8.0
110-130	.4	1.1	.4									2.0	6.9	6.5
140-160	.2	1.2	.2									1.7	6.8	7.0
(S) 170-190	.6	2.8	1.1	.3								4.8	8.3	8.0
200-220	.1	3.7	1.8	.2								5.8	9.2	9.0
230-250	.4	3.1	1.6	.1								5.2	8.4	8.0
(W) 260-280	.9	4.6	2.2	.2								7.9	8.2	8.0
290-310	.8	13.6	7.2	.7								22.2	8.7	8.5
320-340	1.0	13.7	10.6	1.1								26.3	9.1	9.0
VARIABLE														
CALM	////////////////////////////////////											1.2	////////////////////////////////	
TOTALS	8.4	58.5	29.0	2.9								100.0	8.2	8.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	6.9	5.6	.1								13.2	8.6	9.0
020-040	1.0	1.2										2.2	5.3	5.0
050-070	1.3	1.2	.1									2.7	5.0	4.5
(E) 080-100	.3	2.0	.4									2.8	6.4	6.0
110-130	.9	1.8	.3									3.0	6.4	6.0
140-160	.3	.9										1.2	5.8	5.0
(S) 170-190	.6	2.2	.7	.1								3.6	7.2	7.0
200-220	.2	2.3	1.0									3.6	7.7	7.5
230-250	.1	1.7	1.7	.1								3.6	9.3	9.5
(W) 260-280	.4	3.9	2.7									7.0	8.4	8.0
290-310	1.2	9.7	5.3	.8								17.0	8.7	9.0
320-340	1.3	15.0	20.3	1.6	.1							38.3	9.8	10.0
VARIABLE														
CALM	////////////////////////////////////											1.9	////////////////////////////////	
TOTALS	8.3	48.8	38.1	2.7	.1							100.0	8.5	9.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.8	6.2	1.2	.1								9.3	6.7	6.0
020-040	.7	.3										1.0	4.4	4.0
050-070	.9	.6										1.4	4.1	4.0
(E) 080-100	1.4	.9										2.3	4.7	4.0
110-130	1.2	2.2	.1									3.6	5.7	6.0
140-160		1.0	.1									1.1	7.0	6.0
(S) 170-190	1.0	2.8	.4									4.2	6.5	6.0
200-220	.9	2.7	.4		.1							4.1	6.8	6.0
230-250	.8	2.0	.4									3.2	6.1	6.0
(W) 260-280	2.3	6.8	.3									9.4	5.9	6.0
290-310	2.6	16.8	2.4	.1								21.9	7.0	7.0
320-340	1.9	22.2	10.6									34.7	8.1	8.0
VARIABLE														
CALM	////////////////////////////////////											3.7	////////////////////////////////	
TOTALS	15.5	64.5	15.9	.2	.1							100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65		
(N) 350-010	3.0	6.8	1.4	.0							11.2	6.2	6.0
020-040	1.6	1.7									3.3	4.7	5.0
050-070	1.3	1.3	.1	.0							2.7	5.0	5.0
(E) 080-100	1.0	1.6	.4	.1	.0						3.1	6.4	5.0
110-130	1.2	2.5	.5	.0							4.2	6.2	6.0
140-160	.5	1.8	.1								2.4	5.9	6.0
(S) 170-190	1.2	4.0	1.6	.1	.0						7.0	7.5	7.0
200-220	.7	3.9	1.8	.2	.0						6.6	8.1	8.0
230-250	.8	2.2	1.0	.0							4.0	7.3	7.0
(W) 260-280	1.7	4.3	.8	.1							6.9	6.6	6.0
290-310	2.4	11.9	2.8	.2							17.3	7.2	7.0
320-340	2.6	15.3	6.5	.4	.0						24.8	7.7	7.0
VARIABLE													
CALM	////////////////////////////////////										6.4	////////////////////////////////	
TOTALS	18.0	57.3	17.0	1.1							100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.3	3.8										8.1	4.7	4.0
020-040	1.1	1.6										2.7	4.6	5.0
050-070	2.2	.5										2.7	4.0	4.0
(E) 080-100	3.8	3.2	.5									7.5	5.4	4.5
110-130	1.6	9.7	3.2									14.5	7.3	7.0
140-160	.5	2.2										2.7	5.8	6.0
(S) 170-190	1.1	5.9	1.6									8.6	7.4	6.5
200-220	.5	3.8	2.7	.5								7.5	9.2	9.0
230-250		2.2										2.2	6.0	5.5
(W) 260-280	1.6	1.1										2.7	4.6	4.0
290-310	3.2	5.9										9.1	5.2	5.0
320-340	1.6	18.3										19.9	6.2	6.0
VARIABLE														
CALM	////////////////////											11.8	////////	
TOTALS	21.5	58.2	8.0	.5								100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 186

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	6.0	.4									11.4	5.1	5.0
020-040	2.5	.8										3.2	4.1	4.0
050-070	1.9	1.0										2.9	4.1	4.0
(E) 080-100	1.3	.6										1.9	4.2	4.0
110-130	1.3	1.2										2.5	4.7	4.0
140-160	.5	1.7										2.3	5.4	5.0
(S) 170-190	.6	2.3	.3			.1						3.3	7.1	6.0
200-220	.4	.9	.6									1.9	7.5	7.0
230-250	1.5	.6	.1									2.3	4.7	4.0
(W) 260-280	2.3	1.9	.2									4.4	4.9	4.0
290-310	4.7	12.8	1.6									19.1	6.2	6.0
320-340	5.5	26.6	3.0	.1								35.2	6.5	6.0
VARIABLE														
CALM	////////////////////											9.6	////////	
TOTALS	27.4	56.4	6.2	.1		.1						100.0	5.3	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.4	8.7	.1									14.2	5.1	5.0
020-040	4.2	1.5										5.7	4.1	4.0
050-070	1.5	.5										2.0	3.9	4.0
(E) 080-100	2.5	1.0										3.4	4.2	4.0
110-130	2.8	2.2	.2									5.2	4.9	4.0
140-160	2.0	2.0										4.1	5.0	4.5
(S) 170-190	1.5	3.1	.1									4.7	5.9	6.0
200-220	1.2	1.9	.5	.2								3.9	6.7	5.0
230-250	.9	.4	.1									1.4	4.7	4.0
(W) 260-280	1.9	1.0										2.9	4.3	4.0
290-310	3.5	6.7	.9									11.1	5.6	5.0
320-340	6.6	20.3	1.1									28.0	5.9	6.0
VARIABLE														
CAL	////////////////////////////////////											13.4	////////////////////////////////	
TOTALS	34.0	49.3	3.0	.2								100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	6.8	11.3	.3									18.4	5.3	5.0
020-040	3.8	1.0										4.7	4.2	4.0
050-070	2.5	1.6										4.1	4.4	4.0
(E) 080-100	1.2	1.7										2.9	5.2	5.0
110-130	.9	2.3										3.1	5.9	6.0
140-160	1.1	2.0	.3									3.4	5.9	5.5
(S) 170-190	1.6	3.7	.8									6.0	6.3	6.0
200-220	1.2	2.6	1.0									4.7	7.0	7.0
230-250	1.2	1.0	.1									2.3	4.7	4.0
(W) 260-280	1.7	1.9										3.7	4.8	5.0
290-310	4.5	7.7	.4									12.7	5.5	5.0
320-340	6.9	15.5	1.1									23.4	5.8	6.0
VARIABLE														
CALM	////////////////////////////////////											10.5	////////	
TOTALS	33.4	52.3	4.0									100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.9	9.4	.6									14.9	5.5	5.0
020-040	2.4	3.2										5.6	4.9	5.0
050-070	1.8	1.8										3.7	4.7	4.5
(E) 080-100	1.1	.5	.1	.1								1.8	5.6	4.0
110-130	.3	1.0	.2									1.5	6.2	5.0
140-160	.4	1.4	.1									1.9	6.4	6.0
(S) 170-190	.2	2.4	1.5	.1								4.2	8.4	9.0
200-220	1.1	2.4	1.2									4.6	7.3	7.0
230-250	1.1	3.5	1.0									5.6	6.8	6.0
(W) 260-280	2.0	7.1	.3									9.5	6.1	6.0
290-310	4.7	14.3	1.7									20.8	6.2	6.0
320-340	4.6	14.4	1.8	.1								21.0	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											4.9	////////////////////////////////	
TOTALS	24.6	61.4	8.5	.3								100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 12-14

		WIND SPEED IN KNOTS													
DIRECTION (DEGREES)		1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010		2.8	8.1	1.2									12.0	6.4	6.0
020-040		2.0	2.7	.1									4.8	5.0	5.0
050-070		.8	3.4		.1								4.3	5.9	6.0
(E) 080-100		.5	1.4	.5	.2								2.7	7.8	6.0
110-130		.1	.3	.1									.5	6.8	6.0
140-160		.3	.8	.2	.1								1.4	7.2	6.0
(S) 170-190		.6	2.8	1.1	.1								4.6	7.9	8.0
200-220		.3	2.4	.9									3.5	7.7	8.0
230-250		.9	2.0	.9									3.8	7.3	7.0
(W) 260-280		1.1	6.3	1.2									8.6	7.2	7.5
290-310		.5	18.3	8.1	.1								27.0	8.2	8.0
320-340		1.9	15.2	7.0	.1								24.2	7.9	8.0
VARIABLE															
CALM		////////////////////////////////////											2.5	////////////////////////////////	
TOTALS		11.8	63.7	21.3	.7								100.0	7.3	7.0
TOTAL NUMBER OF OBSERVATIONS 930															

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.4	8.1	4.7	.5	.1							14.8	8.3	8.0
020-040	1.0	2.6	.2									3.8	5.5	5.0
050-070	1.3	1.5	.1									2.9	5.6	5.0
(E) 080-100	.3	1.1	.6									2.0	7.0	6.0
110-130	.1	.5	.1									.8	6.6	6.0
140-160		.2	.1									.3	8.7	8.0
(S) 170-190	.6	1.4	.8									2.8	7.6	8.0
200-220	.1	1.5	.8	.2								2.6	9.2	9.0
230-250	.9	2.0	.5	.1								3.5	7.1	6.0
(W) 260-280	.8	4.0	1.6		.1							6.5	7.8	7.5
290-310	.4	13.0	9.5	.6								23.5	9.1	9.0
320-340	1.3	14.1	15.9	3.3	.3							34.9	10.2	10.0
VARIABLE														
CALM	////////////////////////////////////											1.5	////////////////////////////////	
TOTALS	8.2	50.0	34.9	4.7	.5							100.0	8.7	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	8.1	6.0	.2								15.4	8.8	9.0
020-040	.4	1.0										1.4	5.6	5.0
050-070	.4	.4										.9	4.4	4.5
(E) 080-100	.2	.9	.5									1.6	8.0	8.0
110-130	.3	1.3										1.6	6.0	6.0
140-160	.2	.3										.5	5.2	5.0
(S) 170-190	.1	.5	.2	.1								1.0	8.8	9.0
200-220	.3	1.0	1.0									2.3	8.6	9.0
230-250	.8	1.5	.9									3.1	7.5	7.0
(W) 260-280	.6	1.9	.9									3.4	7.0	7.0
290-310	1.0	8.1	5.7	.6								15.4	9.0	8.0
320-340	1.2	17.8	28.5	4.8	.2							52.6	10.6	10.0
VARIABLE														
CALM	////////////////////////////////////											.9	////////////////////////////////	
TOTALS	6.6	42.8	43.7	5.7	.2							100.0	9.4	10.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	7.3	1.8									10.6	7.0	6.0
020-040	.4	.8										1.2	5.2	5.0
050-070	.6	.5										1.2	4.4	4.0
(E) 080-100	.1	.6										.8	5.3	5.0
110-130	.8	1.2	.1									2.0	5.6	5.0
140-160	.2	.1										.3	5.7	4.0
(S) 170-190	.4	.9	.3									1.6	6.7	6.0
200-220	.6	1.3	.6									2.6	7.2	7.0
230-250	.4	1.0										1.4	5.2	5.0
(W) 260-280	1.4	2.6	.2									4.2	5.4	5.0
290-310	1.5	18.5	5.9	.4								26.3	7.9	8.0
320-340	1.5	28.6	14.4	.5								45.1	8.5	8.0
VARIABLE														
CALM	////////////////////											2.7	////////	
TOTALS	9.4	63.4	23.3	.9								100.0	7.5	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.6	8.4	1.9	.1	.0							14.0	6.5	6.0
020-040	2.1	1.7	.0									3.8	4.7	4.0
050-070	1.4	1.4	.0	.0								2.7	4.8	5.0
(E) 080-100	.9	1.0	.2	.0								2.2	5.8	5.0
110-130	.8	1.2	.1									2.2	5.5	5.0
140-160	.6	1.1	.1	.0								1.8	5.8	5.0
(S) 170-190	.7	2.1	.6	.0		.0						3.5	7.1	7.0
200-220	.7	1.7	.8	.1								3.3	7.5	7.0
230-250	.9	1.5	.4	.0								2.9	6.4	6.0
(W) 260-280	1.5	3.3	.6		.0							5.4	6.2	6.0
290-310	2.6	12.4	4.2	.2								19.5	7.4	7.0
320-340	3.7	19.1	9.1	1.1	.1							33.0	8.1	8.0
VARIABLE														
CALM	////////////////////											5.8	////////	
TOTALS	19.5	54.9	18.0	1.5	.1							100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.6	13.9	.5									23.0	5.5	5.0
020-040	1.6	4.3										5.9	5.3	6.0
050-070		2.1										2.1	5.3	5.0
(E) 080-100	1.1	.5										1.6	5.0	4.0
110-130	1.1	3.2	.5									4.8	6.2	6.0
140-160		4.3										4.3	7.6	8.0
(S) 170-190		3.2										3.2	6.2	6.0
200-220		1.6										1.6	5.0	5.0
230-250	1.1	.5										1.6	4.7	4.0
(W) 260-280	1.6	1.6										3.2	4.5	4.5
290-310	4.8	4.3										9.1	5.2	4.0
320-340	8.6	19.8	.5									28.9	5.9	5.5
VARIABLE														
CALM	////////////////////											10.7	////////	
TOTALS	28.5	59.3	1.5									100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 187

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	5.5	7.3	.2									13.0	5.0	5.0
020-040	2.9	1.8										4.7	4.3	4.0
050-070	1.0	.9										1.8	4.1	4.0
(E) 080-100	1.3	.8										2.0	4.5	4.0
110-130	1.0	1.4										2.4	4.9	5.0
140-160	.4	1.2										1.6	5.7	5.0
(S) 170-190	1.7	3.1	.9									5.7	6.1	5.0
200-220	1.2	.9	.4									2.5	5.9	5.0
230-250	1.7	.9										2.6	4.3	4.0
(W) 260-280	2.4	1.3										3.7	4.3	4.0
290-310	4.5	11.3	1.2									17.0	6.0	5.0
320-340	5.5	26.5	1.6									33.5	6.3	6.0
VARIABLE														
CALM	////////////////////////////////////											9.5	////////	
TOTALS	29.1	57.4	4.3									100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	8.3	6.9	.1									15.3	4.7	4.0
020-040	3.7	.9										4.5	4.0	4.0
050-070	2.5	.3										2.8	3.8	4.0
(E) 080-100	1.3	.5	.1									1.9	4.6	4.0
110-130	3.1	3.5	.1									6.8	4.7	5.0
140-160	1.7	2.5										4.2	4.9	5.0
(S) 170-190	3.8	3.1	.1									7.0	4.8	4.0
200-220	2.5	1.4	.2									4.1	4.7	4.0
230-250	2.0	.5										2.6	4.0	4.0
(W) 260-280	2.3	1.1										3.3	4.1	4.0
290-310	2.8	6.9	.2									9.9	5.3	5.0
320-340	5.9	15.3	.6									21.8	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											15.8	////////////////////////////////	
TOTALS	39.9	42.9	1.4									100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	7.5	8.2	.3									16.0	4.9	5.0
020-040	4.5	1.3										5.8	4.0	4.0
050-070	1.3	1.2										2.5	4.4	4.0
(E) 080-100	1.2	.4	.1									1.7	4.6	4.0
110-130	1.8	2.0	.2									4.1	5.4	5.0
140-160	1.7	4.0										5.7	5.4	5.0
(S) 170-190	3.1	4.2	.4									7.7	5.3	5.0
200-220	1.6	1.8	.1									3.5	5.3	5.0
230-250	1.3	.3										1.6	4.1	4.0
(W) 260-280	2.0	2.4										4.4	4.6	5.0
290-310	4.1	6.1	.3									10.5	5.2	5.0
320-340	6.3	13.1	.4									19.9	5.6	5.0
VARIABLE														
CALM	////////////////////////////////////											16.5	////////	
TOTALS	36.4	45.0	1.8									100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	4.8	7.7	.3									12.9	5.1	5.0
020-040	2.2	2.0										4.2	4.7	4.0
050-070	1.0	2.0	.1									3.1	5.5	5.0
(E) 080-100	.5	.4	.1	.3								1.4	8.7	7.0
110-130	.5	1.0	.1									1.6	5.9	6.0
140-160	.5	1.4	.1									2.0	6.1	7.0
(S) 170-190	.9	3.4	1.2									5.5	7.3	7.0
200-220	.6	2.4	1.4									4.4	7.4	7.0
230-250	1.7	2.8	.1									4.6	5.0	5.0
(W) 260-280	2.5	7.2	.3									10.0	5.7	5.0
290-310	5.6	17.7	.9									24.2	5.8	5.0
320-340	4.0	14.1	.6									18.7	6.0	6.0
VARIABLE														
CALM	////////////////////////////////////											7.3	////////	
TOTALS	24.8	62.1	5.2	.3								100.0	5.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	8.2	1.0									11.1	6.2	6.0
020-040	1.1	4.3										5.4	5.3	5.0
050-070	1.0	2.4	.4									3.8	6.3	6.0
(E) 080-100	.4	.4	.6		.2							1.7	9.8	9.5
110-130	.3	.4										.8	5.4	5.0
140-160	.2	1.0	.1									1.3	6.3	6.0
(S) 170-190	.5	1.7	.5	.2								3.0	7.7	8.0
200-220	.8	2.9	1.3									4.9	7.5	6.0
230-250	1.2	1.6	.8									3.5	6.6	6.0
(W) 260-280	1.0	9.7	1.0									11.6	6.9	7.0
290-310	2.4	20.6	5.8	.1								28.9	7.6	8.0
320-340	1.9	15.3	4.2	.1								21.5	7.5	7.0
VARIABLE														
CALM	////////////////////////////////////											2.5	////////////////////////////////	
TOTALS	12.7	68.5	15.7	.4	.2							100.0	6.9	7.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	8.5	2.7	.4								12.5	7.0	7.0
020-040	1.5	1.8	.1									3.4	5.2	5.0
050-070	.1	1.8	.6									2.6	7.5	7.5
(E) 080-100	.2	1.4	.4	.1								2.2	8.1	8.0
110-130	.4	.6										1.1	5.9	5.5
140-160	.2	.8	.1									1.1	5.9	5.0
(S) 170-190	.5	1.4	.3	.1								2.4	7.1	6.5
200-220	.5	1.0	.9	.1								2.5	7.9	7.0
230-250	.3	1.8	.4									2.6	6.7	6.0
(W) 260-280	.8	6.0	1.4									8.2	7.3	7.0
290-310	.9	15.6	7.7	.1								24.3	8.5	8.0
320-340	1.3	17.3	15.8	1.7								36.1	9.3	9.0
VARIABLE														
CALM	////////////////////											1.4	////////	
TOTALS	7.3	58.0	30.4	2.5								100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	9.9	4.3									15.2	8.1	8.0
020-040	.5	.6										1.2	4.5	5.0
050-070	.8	1.1										1.8	5.2	5.0
(E) 080-100	.2	1.4	.3									1.9	6.8	6.0
110-130	.2	1.4	.4									2.0	7.6	7.0
140-160		.4	.1									.5	7.6	7.0
(S) 170-190	.1	.8	.4		.1							1.4	8.6	7.0
200-220	.2	.9	.6									1.7	8.3	9.0
230-250	.4	1.3	.2									1.9	6.6	7.0
(W) 260-280	.2	2.9	.3									3.4	7.0	7.0
290-310	.9	8.3	5.6	.2								14.9	8.5	9.0
320-340	1.2	24.5	24.5	1.6								51.8	9.4	10.0
VARIABLE														
CALM	////////////////////////////////////											2.0	////////////////////////////////	
TOTALS	5.7	53.5	36.7	1.8	.1							100.0	8.5	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	7.5	.5									9.7	6.4	6.0
020-040	.8	.6	.1									1.5	5.4	4.5
050-070	.3	.2										.5	4.2	4.0
(E) 080-100	.4	.2	.1									.8	5.7	4.0
110-130	.6	1.4	.1									2.2	5.5	5.0
140-160		.1										.1	6.0	6.0
(S) 170-190	.4	1.0	.4									1.8	7.4	8.0
200-220	.5	.9	.5	.2								2.2	7.8	6.5
230-250	.8	1.6	.2									2.6	5.9	5.0
(W) 260-280	1.8	3.5	.2									5.6	5.7	5.0
290-310	2.5	18.0	4.1									24.5	7.2	7.0
320-340	3.3	31.5	9.2	.2								44.3	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											4.3	////////	
TOTALS	13.0	66.5	15.4	.4								100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.9	8.0	1.2	.1								13.2	6.0	5.0
020-040	2.1	1.7	.0									3.8	4.6	4.0
050-070	1.0	1.2	.1									2.4	5.3	5.0
(E) 080-100	.7	.7	.2	.1	.0							1.7	6.6	5.0
110-130	1.0	1.5	.1									2.6	5.4	5.0
140-160	.6	1.4	.1									2.1	5.6	5.0
(S) 170-190	1.4	2.3	.5	.0	.0							4.3	6.2	6.0
200-220	1.0	1.5	.7	.0								3.2	6.7	6.0
230-250	1.2	1.4	.2									2.8	5.4	5.0
(W) 260-280	1.6	4.3	.4									6.3	6.0	6.0
290-310	2.9	13.1	3.2	.1								19.3	7.0	7.0
320-340	3.7	19.7	7.1	.5								31.0	7.6	7.0
VARIABLE														
CALM	////////////////////////////////////											7.4	////////////////////////////////	
TOTALS	21.1	56.8	13.8	.8								100.0	6.2	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS													
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN
(DEGREES)												%	WIND
													WIND
(N) 350-010	7.9	15.5	.4									23.8	5.2
020-040	6.3	2.9										9.2	4.2
050-070	.4	2.1										2.5	5.8
(E) 080-100	1.3											1.3	3.7
110-130	1.3	2.5	1.3									5.0	6.9
140-160	1.3	3.3	.4									5.0	5.4
(S) 170-190	2.5	1.3										3.8	4.6
200-220		3.8										3.8	7.1
230-250	1.7	1.7										3.3	4.5
(W) 260-280	1.7	3.3	.4									5.4	5.3
290-310	2.1	6.7										8.8	5.1
320-340	5.0	16.3	.4									21.8	6.1
VARIABLE													
CALM	////////////////////////////////////											6.3	////////////////////////////////
TOTALS	31.5	59.4	2.9									100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 239

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	3.0	.1									6.2	4.8	4.5
020-040	2.0	.8										2.8	4.1	4.0
050-070	1.3	.4	.2									2.0	4.7	4.0
(E) 080-100	1.0	1.6	.7									3.2	6.7	5.0
110-130	3.6	5.3	.6	.3	.1							9.9	6.0	5.0
140-160	2.1	2.8	.1									5.0	5.1	5.0
(S) 170-190	3.3	4.0	.4	.1								7.9	5.6	5.0
200-220	2.3	1.8	.7	.1								4.9	6.1	5.0
230-250	2.6	1.7	.1	.1								4.4	4.9	4.0
(W) 260-280	3.2	2.9	.1									6.2	4.8	4.0
290-310	4.2	8.0	.6									12.8	5.7	5.0
320-340	4.9	9.8	.6									15.2	5.6	5.0
VARIABLE														
CALM	////////////////////											19.4	////////	
TOTALS	33.6	42.1	4.2	.6	.1							100.0	4.4	5.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.7										5.4	4.5	4.0
020-040	1.6	1.4										3.0	4.6	4.0
050-070	1.0	.3										1.3	4.4	4.0
(E) 080-100	.9	.4	.6	.2								2.1	8.1	6.0
110-130	3.9	5.6	1.3		.1							10.9	6.0	5.0
140-160	2.8	3.8	.4									7.0	5.4	5.0
(S) 170-190	5.4	3.8	.7									9.9	5.0	4.0
200-220	3.4	2.4	.7	.3								6.9	5.9	4.5
230-250	3.8	1.4										5.2	4.1	4.0
(W) 260-280	4.8	2.7	.1									7.6	4.4	4.0
290-310	2.7	5.7	.2									8.6	5.3	5.0
320-340	3.2	6.9										10.1	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											22.0	////////	
TOTALS	36.3	37.1	4.0	.5	.1							100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	2.7	.1									5.1	4.9	5.0
020-040	2.0	.9										2.9	4.1	4.0
050-070	1.0	.3		.1								1.4	4.8	4.0
(E) 080-100	1.2	.9	.7	.3								3.1	7.5	5.0
110-130	2.8	6.4	1.0	.1		.1						10.4	6.4	6.0
140-160	2.0	3.9	.2									6.1	5.5	5.0
(S) 170-190	3.6	5.6	1.0	.1								10.2	6.0	6.0
200-220	2.4	2.4	.7	.1	.1							5.8	6.2	5.0
230-250	4.6	1.3	.1									6.0	4.1	4.0
(W) 260-280	4.7	4.1										8.8	4.7	4.0
290-310	4.8	7.0										11.8	5.2	5.0
320-340	2.5	5.9	.2									9.0	5.4	5.0
VARIABLE														
CALM	////////////////////											19.3	////////	
TOTALS	34.3	41.4	4.0	.7	.1	.1						100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.7	4.6	.2									8.4	4.9	5.0
020-040	2.1	1.6										3.7	4.2	4.0
050-070	1.1	1.4	.1									2.7	5.0	5.0
(E) 080-100	.9	1.1	1.1	1.0	.7							4.8	11.3	12.0
110-130	1.3	3.0	.9	.4								5.7	7.5	6.0
140-160	.9	3.3	.1									4.3	5.9	6.0
(S) 170-190	1.7	4.6	1.4	.1	.1							7.9	7.2	6.0
200-220	1.3	4.2	2.3	.2								8.1	7.8	8.0
230-250	1.4	2.7	.1									4.2	5.5	5.0
(W) 260-280	3.4	4.3	.6									8.3	5.3	5.0
290-310	3.2	14.3	.3									17.9	6.0	6.0
320-340	4.9	9.3	.4									14.7	5.5	5.0
VARIABLE														
CALM	////////////////////											9.3	////////	
TOTALS	25.9	54.4	7.5	1.7	.8							100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.2	6.6	.3									10.1	5.5	5.0
020-040	1.4	2.6	.1									4.1	5.1	5.0
050-070	1.1	1.8	1.0	.2								4.1	7.4	6.0
(E) 080-100	.2	1.7	2.6	2.3	.3	.1						7.2	12.6	10.0
110-130	.4	1.4	.8	.4	.1							3.2	9.4	9.0
140-160	.2	1.7	.4									2.3	6.9	6.0
(S) 170-190	.7	2.1	2.4	.4								5.7	9.5	10.0
200-220	.8	2.7	2.0	.7								6.1	9.0	8.0
230-250	1.0	2.6	.6	.1								4.2	6.9	6.0
(W) 260-280	1.4	7.9	1.7									11.0	7.0	7.0
290-310	2.4	17.0	4.4	.4								24.3	7.4	7.0
320-340	2.2	10.8	1.2	.1								14.3	6.5	6.0
VARIABLE														
CALM	////////////////////											3.2	////////	
TOTALS	15.0	58.9	17.5	4.6	.4	.1						100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	4.1	1.6									8.0	6.9	6.5
020-040	.4	1.2	.2									1.9	6.2	5.0
050-070	.9	2.1	1.1	.6								4.7	8.3	6.0
(E) 080-100	.6	2.3	4.0	2.2	.1							9.2	11.3	12.0
110-130	.7	1.7	1.7	.4								4.4	9.5	9.0
140-160	.3	.9	.2									1.4	6.4	5.0
(S) 170-190	.7	3.1	.7	.6								5.0	8.0	7.0
200-220	.2	2.7	1.6	.6	.1							5.1	9.2	9.0
230-250	.7	1.8	.7	.1	.1							3.3	7.9	6.5
(W) 260-280	.9	5.7	.9	.1								7.6	6.8	6.5
290-310	1.4	14.2	3.8	.6	.1							20.1	7.8	8.0
320-340	1.1	14.0	10.2	.9	.1							26.3	9.1	9.0
VARIABLE														
CALM	////////////////////////////////////											2.9	////////////////////////////////	
TOTALS	10.2	53.8	26.7	6.1	.5							100.0	8.2	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	4.9	2.8									8.6	8.1	8.0
020-040	.8	1.1	.1									2.0	5.2	5.0
050-070	1.2	1.4	.9	.1								3.7	7.2	6.0
(E) 080-100	.8	2.3	2.0	.8								5.9	9.2	9.0
110-130	1.9	6.0	1.1	.1	.1							9.2	6.9	6.0
140-160	.6	2.3	.1									3.0	6.2	6.0
(S) 170-190	.9	1.9	.7									3.4	6.5	6.0
200-220	1.0	1.8	1.6									4.3	7.5	7.0
230-250	1.2	1.4	.2									2.9	5.6	5.0
(W) 260-280	1.7	5.8	.2									7.7	5.8	6.0
290-310	1.1	10.9	2.9		.1							15.0	7.5	7.0
320-340	2.0	15.7	10.7	.7								29.0	8.5	8.0
VARIABLE														
CALM	////////////////////////////////////											5.3	////////	
TOTALS	14.1	55.5	23.3	1.7	.2							100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.0	3.0	.2									6.2	5.3	5.0
020-040	.6	.3	.3									1.2	6.3	5.0
050-070	1.0	.3	.3									1.7	5.7	4.0
(E) 080-100	1.6	1.9	.6	.2	.1							4.3	6.9	5.0
110-130	3.1	5.8	.4	.4								9.8	5.9	5.3
140-160	1.2	3.3		.1								4.7	5.8	6.0
(S) 170-190	1.1	3.8	.9									5.8	6.7	6.0
200-220	.8	1.7	.6	.1								3.1	6.8	6.0
230-250	1.4	1.1	.1	.1								2.8	5.5	4.0
(W) 260-280	3.6	4.7	.1									8.3	5.0	5.0
290-310	3.7	15.2	2.2									21.1	6.4	6.0
320-340	2.1	14.3	3.1	.1								19.7	7.2	7.0
VARIABLE														
CALM	////////////////////////////////////											11.3	////////	
TOTALS	23.2	55.4	8.8	1.0	.1							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.7	3.9	.7									7.3	5.7	5.0
020-040	1.4	1.2	.1									2.7	4.8	4.0
050-070	1.1	1.0	.5	.1								2.7	6.5	5.0
(E) 080-100	.9	1.5	1.5	.9	.2	.0						5.0	9.9	10.0
110-130	2.2	4.4	1.0	.3	.1	.0						7.9	6.7	6.0
140-160	1.3	2.8	.2	.0								4.2	5.7	5.0
(S) 170-190	2.2	3.6	1.0	.2	.0							7.0	6.6	6.0
200-220	1.5	2.5	1.3	.3	.0							5.5	7.3	6.0
230-250	2.1	1.8	.2	.1	.0							4.1	5.4	4.0
(W) 260-280	3.0	4.8	.5	.0								8.2	5.5	5.0
290-310	2.9	11.5	1.8	.1	.0							16.4	6.6	6.0
320-340	2.9	10.8	3.3	.2	.0							17.3	7.2	7.0
VARIABLE														
CALM	////////////////////											11.6	////////	
TOTALS	24.2	49.8	12.1	2.2	.3							100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.4	7.8	.5									10.7	5.6	5.0
020-040	4.8	1.9										6.7	4.1	4.0
050-070	2.1	.5										2.6	3.7	3.0
(E) 080-100	1.9	1.0										2.9	4.6	4.0
110-130	3.1	2.6	.5									6.2	5.7	4.5
140-160	1.4	2.6	.2	.2								4.5	5.8	6.0
(S) 170-190	2.4	6.2	1.4	.5								10.5	6.9	6.0
200-220	2.9	4.5	2.1	.2	.2							10.0	7.2	7.0
230-250	3.6	1.2	.2	.2								5.2	5.0	4.0
(W) 260-280	3.8	1.7										5.5	4.3	4.0
290-310	1.9	6.4										8.3	5.5	5.0
320-340	3.6	6.2	.5									10.2	5.3	5.0
VARIABLE														
CALM	////////////////////											16.9	////////	
TOTALS	33.9	42.6	5.4	1.1	.2							100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 421

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.9										2.0	4.6	4.0
020-040	1.3	.2										1.5	3.9	4.0
050-070	.6	.2										.9	4.4	3.5
(E) 080-100	1.3	2.4	.5	.1								4.3	6.5	5.5
110-130	4.6	10.6	3.8	.4								19.5	6.9	6.0
140-160	2.6	3.9	.5									7.0	5.7	5.0
(S) 170-190	4.1	3.1	1.0	.2								8.4	6.1	5.0
200-220	3.2	1.3	1.7	.1								6.3	6.5	4.0
230-250	3.7	1.3	.3									5.3	4.6	4.0
(W) 260-280	5.2	2.6										7.7	4.2	4.0
290-310	3.0	4.5	.3									7.8	5.2	5.0
320-340	2.0	3.3	.5	.1								6.0	6.0	5.0
VARIABLE														
CALM	////////////////////											23.2	////////	
TOTALS	32.8	34.3	8.6	.9								100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.7	2.2										3.9	4.9	5.0
020-040	1.5	.8										2.3	4.1	4.0
050-070	1.0	.3										1.3	4.2	4.0
(E) 080-100	.8	1.2	.1	.3	.1							2.5	8.0	7.0
110-130	4.0	11.4	3.8									19.1	6.7	6.0
140-160	3.5	3.5	.5									7.6	5.6	5.0
(S) 170-190	3.9	4.1	1.1	.2	.1							9.4	6.3	5.0
200-220	2.2	1.8	1.5	.3	.1							5.9	7.7	7.0
230-250	3.8	1.3										5.1	4.1	4.0
(W) 260-280	4.7	3.8										8.5	4.5	4.0
290-310	3.9	5.4										9.2	4.9	5.0
320-340	1.3	3.0	.1									4.4	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											20.9	///	////
TOTALS	32.3	38.8	7.1	.8	.3							100.0	4.6	5.0
TOTAL NUMBER OF OBSERVATIONS 930														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	3.1										4.7	5.1	5.0
020-040	2.7	1.0										3.7	4.2	4.0
050-070	1.1	.2	.2									1.5	4.8	4.0
(E) 080-100	1.3	1.8	.4	.2								3.8	6.1	5.0
110-130	3.1	8.8	3.4	.5								15.9	7.6	7.0
140-160	2.9	4.6	1.1									8.6	5.9	5.0
(S) 170-190	4.4	4.1	1.8	.4	.1							10.9	6.7	5.0
200-220	2.3	2.4	1.5	.6								6.8	7.7	7.0
230-250	5.1	.4										5.5	3.6	3.0
(W) 260-280	3.3	3.8										7.1	4.6	5.0
290-310	2.2	6.8										8.9	5.4	5.0
320-340	1.5	2.8	.1									4.4	5.4	5.0
VARIABLE														
CALM	////////////////////////////////////											18.3	////////	
TOTALS	31.5	39.8	8.5	1.7	.1							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.8	2.9	.1									5.8	4.8	5.0
020-040	1.5	1.2										2.7	4.4	4.0
050-070	1.1	1.2										2.3	4.5	5.0
(E) 080-100	.8	2.2	1.1	.5	.1							4.6	9.0	8.0
110-130	2.2	7.4	5.5	.6	.3							16.0	8.7	8.0
140-160	1.1	1.9	.5									3.5	6.8	7.0
(S) 170-190	.8	4.1	3.4	.9	.2							9.4	9.7	9.0
200-220	1.2	3.0	3.5	.5								8.3	9.3	9.0
230-250	1.7	.9	.4									3.0	5.2	4.0
(W) 260-280	1.8	3.9	.1									5.8	5.4	5.0
290-310	4.8	10.6	.5									16.0	5.7	5.0
320-340	4.3	5.2	.2									9.7	5.1	5.0
VARIABLE														
CALM	////////////////////////////////////											12.9	////////	
TOTALS	24.1	44.5	15.3	2.5	.6							100.0	6.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.4	3.4	.3									7.2	5.1	5.0
020-040	1.7	1.8										3.5	4.8	5.0
050-070	1.3	2.5	.1	.2	.1							4.2	5.9	5.0
(E) 080-100	.5	2.2	2.6	1.4	.9							7.5	11.8	12.0
110-130	.4	3.3	3.8	1.1								8.6	10.3	10.0
140-160	.8	1.9	.5									3.2	6.5	6.0
(S) 170-190	.8	4.0	3.7	1.2								9.6	9.7	10.0
200-220	.5	2.3	3.3	1.9	.1							8.2	11.0	11.0
230-250	1.0	2.8	1.3	.1								5.2	7.5	7.0
(W) 260-280	2.2	5.3	.3									7.7	5.9	6.0
290-310	4.0	11.8	.6									16.5	6.0	6.0
320-340	3.9	7.2	.9									11.9	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											6.7	////////	
TOTALS	20.5	48.5	17.4	5.9	1.1							100.0	7.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	4.9	.2									7.1	5.9	6.0
020-040	1.7	.9										2.6	4.1	4.0
050-070	1.1	1.6	.4	.1								3.2	6.5	5.5
(E) 080-100	.6	3.2	1.6	2.2	.2							7.8	10.5	10.0
110-130	1.5	6.3	4.3	.4								12.6	8.4	8.0
140-160	.5	2.8	.8									4.1	7.4	7.0
(S) 170-190	1.0	3.7	3.0	.6								8.3	9.0	8.0
200-220	.9	3.1	4.2	1.0	.1							9.2	9.8	10.0
230-250	1.8	1.1	.6									3.5	5.9	4.0
(W) 260-280	2.9	3.5	.5									7.0	5.6	5.0
290-310	3.2	9.9	1.3	.1								14.5	6.4	6.0
320-340	2.7	7.1	2.7	.1								12.6	7.3	7.0
VARIABLE														
CALM	////////////////////////////////////											7.4	////////////////////////////////	
TOTALS	19.8	48.1	19.6	4.5	.3							100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	2.7	.6									4.2	6.2	6.0
020-040	.8	.4										1.2	4.2	4.0
050-070	1.7	1.1										2.8	4.2	4.0
(E) 080-100	2.0	4.7	1.8	.3								8.9	7.3	6.0
110-130	2.4	9.7	2.9	.3								15.3	7.3	7.0
140-160	1.4	4.0	.6									6.0	6.4	6.0
(S) 170-190	1.1	4.4	1.4	.5								7.4	7.7	7.0
200-220	1.4	2.3	2.2	.5								6.3	8.4	8.0
230-250	2.3	1.6	.1									4.0	4.8	4.0
(W) 260-280	3.9	2.9	.1									6.9	4.8	4.0
290-310	3.2	8.5	1.2	.1								13.0	6.1	6.0
320-340	2.2	8.0	1.5	.1								11.7	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											12.3	////////////////////////////////	
TOTALS	23.3	50.3	12.4	1.8								100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	1.2	.2									2.9	4.9	4.0
020-040	1.0	.3										1.3	4.1	4.0
050-070	.4	.5	.1									1.1	5.1	5.0
(E) 080-100	1.1	2.7	.5	.6	.1							5.1	8.0	6.0
110-130	3.0	12.9	2.2	.3								18.4	6.9	6.0
140-160	1.5	4.2		.2								5.9	5.9	6.0
(S) 170-190	2.0	3.8	1.9									7.7	7.0	6.0
200-220	1.5	2.4	2.0									5.9	7.5	8.0
230-250	2.2	1.2	.2									3.5	4.6	4.0
(W) 260-280	4.3	3.9										8.2	4.4	4.0
290-310	5.5	7.5	.2									13.2	5.2	5.0
320-340	2.5	4.8	.5									7.8	5.7	5.0
VARIABLE														
CALM	////////////////////											18.9	////////	
TOTALS	26.5	45.4	7.8	1.1	.1							100.0	4.9	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 8; - DEC 90
MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.9	2.7	.2									4.7	5.3	5.0
020-040	1.5	.8										2.3	4.3	4.0
050-070	1.0	1.0	.1	.0	.0							2.2	5.2	5.0
(E) 080-100	1.0	2.5	1.1	.7	.2							5.6	8.7	7.0
110-130	2.6	8.8	3.7	.5	.0							15.7	7.6	7.0
140-160	1.8	3.4	.6	.0								5.8	6.1	6.0
(S) 170-190	2.2	3.9	2.2	.5	.1							8.9	7.8	7.0
200-220	1.6	2.3	2.5	.6	.0							7.1	8.7	9.0
230-250	2.7	1.3	.4	.0								4.4	5.0	4.0
(W) 260-280	3.5	3.7	.1									7.4	4.9	5.0
290-310	3.7	8.1	.5	.0								12.4	5.7	5.0
320-340	2.5	5.2	.8	.0								8.6	6.1	6.0
VARIABLE														
CALM	////////////////////////////////////											15.1	////////	
TOTALS	26.0	43.7	12.2	2.3	.3							100.0	5.6	6.0
TOTAL NUMBER OF OBSERVATIONS 7440														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	3.1	4.6	.1									7.8	5.1	5.0
020-040	2.9	2.2										5.2	4.5	4.0
050-070	2.1	.4										2.5	3.8	4.0
(E) 080-100	1.8	1.8	.1									3.8	5.0	5.0
110-130	5.0	5.0	2.2									12.3	6.1	5.0
140-160	1.7	2.4										4.1	5.3	5.0
(S) 170-190	2.4	3.4	.7									6.4	5.8	5.0
200-220	1.4	1.0	1.1	.4								3.9	7.8	5.5
230-250	2.1	1.1	.1									3.4	4.5	4.0
(W) 260-280	3.6	2.1	.3									6.0	4.6	4.0
290-310	4.1	7.4	.1									11.6	5.2	5.0
320-340	2.9	6.4	.7									10.1	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											22.8	////////////////////////////////	
TOTALS	33.1	37.8	5.4	.4								100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 714

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010		.3										.3	6.3	7.0
020-040	.4	.6										1.0	4.4	5.0
050-070	.3	.9	.2									1.4	6.8	6.0
(E) 080-100	1.6	2.6	.9	.2	.7							5.9	8.9	7.0
110-130	3.4	12.1	8.9	3.0	.3							27.8	9.1	9.0
140-160	2.8	5.1	1.9	.2								10.0	6.6	6.0
(S) 170-190	3.7	4.6	5.9	1.1	.3	.1						15.7	9.1	9.0
200-220	1.3	4.8	3.6	1.8								11.4	9.6	9.0
230-250	1.6	1.9	.2									3.7	5.6	5.0
(W) 260-280	2.3	1.6	.3									4.2	4.8	4.0
290-310	1.6	2.6	.2									4.3	5.5	5.0
320-340	1.1	1.2	.1									2.4	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											11.8	////////////////////////////////	
TOTALS	20.1	38.3	22.2	6.3	1.3	.1						100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.4	1.1										1.6	5.4	5.0
020-040	.8	.2										1.0	4.0	4.0
050-070	1.3	1.3										2.7	4.8	4.5
(E) 080-100	1.3	1.3	1.1	.4	.1	.2						4.6	9.5	8.0
110-130	3.3	11.7	6.2	2.3	.2							23.8	8.9	8.0
140-160	3.0	4.9	2.1	.4								10.4	7.2	6.0
(S) 170-190	3.3	5.4	4.1	1.3	.1		.1	.2				14.7	9.0	8.0
200-220	1.2	4.4	5.2	1.7	2							12.8	10.2	10.0
230-250	1.9	1.8	.1									3.8	5.0	4.5
(W) 260-280	2.1	3.6	.1	.1	.1							6.0	5.6	5.0
290-310	1.6	3.4	.2	.2								5.4	6.1	5.0
320-340	.9	.9	.3									2.1	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////											11.2	////////	
TOTALS	21.1	40.0	19.4	6.4	.7	.2	.1	.2				100.0	7.1	7.0
TOTAL NUMBER OF OBSERVATIONS 900														

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.7	.9										1.6	4.6	5.0
020-040	.8	.2										1.0	3.9	3.0
050-070	.8	.9										1.7	4.6	5.0
(E) 080-100	.6	2.1	.6	.3	.3	.1						4.0	9.3	7.0
110-130	2.4	10.3	7.7	2.6	.3	.1						23.4	9.5	9.0
140-160	2.1	6.0	2.1									10.2	6.9	6.0
(S) 170-190	2.2	5.2	5.0	2.2	.4	.1	.2					15.4	10.1	10.0
200-220	1.2	4.0	4.4	1.4	.3							11.4	10.0	10.0
230-250	2.6	3.1	.3									6.0	5.3	5.0
(W) 260-280	2.9	3.6										6.4	5.0	5.0
290-310	1.7	2.9										4.6	5.4	5.0
320-340	.8	1.4		.4								2.7	7.0	5.0
VARIABLE														
CALM	////////////////////////////////////											11.6	////////	
TOTALS	18.8	40.6	20.1	6.9	1.3	.3	.2					100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.0	1.4										2.4	5.2	5.0
020-040	1.1	.4										1.6	4.0	4.0
050-070	.6	.8	.1	.1								1.6	6.6	5.0
(E) 080-100	.3	1.8	.9	.8	.4							4.2	11.1	9.5
110-130	1.4	9.4	8.9	2.8	.4							23.0	10.1	10.0
140-160	.8	3.9	.8	.1								5.6	7.2	7.0
(S) 170-190	1.4	7.1	5.9	2.0	.4	.4						17.3	10.2	10.0
200-220	1.0	5.6	4.7	2.7	.8							14.7	10.7	10.0
230-250	1.1	2.0	1.4	.1	.1							4.8	7.9	7.0
(W) 260-280	1.3	3.0	.2									4.6	5.9	6.0
290-310	2.4	3.4	.6									6.4	6.0	5.0
320-340	1.4	2.4	.3									4.2	5.6	5.0
VARIABLE														
CALM	////////////////////											2.7	////////	
TOTALS	13.8	41.2	23.8	8.6	2.1	.4						100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.1	.6									2.9	5.8	5.0
020-040	.6	.7										1.2	4.7	5.0
050-070	.8	.9	.6	.2								2.4	7.7	6.0
(E) 080-100	.4	2.1	1.8	1.8	.6	.1						6.8	12.2	13.0
110-130	.7	5.2	9.6	3.0	.3							18.8	11.1	11.0
140-160	.6	3.6	1.9	.3								6.3	8.5	8.0
(S) 170-190	.4	6.0	6.6	2.3	.6	.2						16.1	11.0	10.0
200-220	.4	3.1	8.6	2.4	.4	.1						15.1	11.9	12.0
230-250	.6	3.6	2.3	.9	.2							7.6	9.6	9.0
(W) 260-280	1.0	2.9	.6									4.4	6.4	6.0
290-310	1.4	5.9	1.0	.1								8.4	6.9	6.0
320-340	1.0	3.2	.3									4.6	6.4	6.0
VARIABLE														
CALM	////////////////////											5.3	////////	
TOTALS	9.1	38.3	33.9	11.0	2.1	.4						100.0	9.3	9.5

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.8	1.2	.3									2.3	6.0	6.0
020-040	.6	.6										1.1	4.3	4.5
050-070	.9	.7	.1	.4	.1							2.2	8.0	5.0
(E) 080-100	.2	1.9	1.9	1.7	.3							6.0	12.1	12.0
110-130	.6	8.7	11.0	3.4	.6							24.2	10.7	10.0
140-160	.2	5.3	2.1	.1								7.8	8.2	8.0
(S) 170-190	1.7	5.4	5.1	1.9	.4	.1						14.7	10.0	10.0
200-220	.8	4.2	6.8	2.3	.6							14.7	11.1	11.0
230-250	.9	2.7	1.2									4.8	7.3	7.0
(W) 260-280	1.1	2.3	.7									4.1	6.5	7.0
290-310	1.9	4.2	1.1	.1								7.3	6.7	6.0
320-340	1.2	2.6	.8									4.6	6.4	6.0
VARIABLE														
CALM	////////////////////////////////////											6.2	////////	
TOTALS	10.9	39.8	31.1	9.9	2.0	.1						100.0	8.8	9.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.1	.3	.3									.8	7.9	8.0
020-040	.6	.4										1.0	4.6	4.0
050-070	.4	.8	.3	.1								1.7	7.8	8.0
(E) 080-100	.6	1.8	1.7	1.3	.8	.2						6.3	12.4	12.0
110-130	2.0	15.0	11.4	2.1	.4	.1						31.1	9.5	9.0
140-160	1.1	4.1	1.4	.3								7.0	7.6	7.0
(S) 170-190	2.0	5.0	5.0	1.6	.4							14.0	9.3	9.5
200-220	1.2	4.8	3.7	2.0	.6							12.2	10.3	10.0
230-250	1.0	1.7	.8									3.4	6.1	5.0
(W) 260-280	2.0	2.8	.1									4.9	5.1	5.0
290-310	1.6	2.7	.2									4.4	5.3	5.0
320-340	.6	2.2	.2									3.0	6.2	6.0
VARIABLE														
CALM	////////////////////////////////////											10.1	////////	
TOTALS	13.2	41.6	25.1	7.4	2.2	.3						100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	MEDIAN WIND	
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64				GE 65
(N) 350-010	.4	.4	.1									1.0	5.0	5.0
020-040	.4	.3										.8	4.6	4.0
050-070	.7	.8	.3									1.8	6.6	6.5
(E) 080-100	.8	1.9	1.7	.8	1.0	.2						6.3	11.3	10.0
110-130	2.0	15.6	10.2	2.0	.3							30.1	8.9	8.0
140-160	1.1	5.1	2.1	.1								8.4	7.5	7.0
(S) 170-190	1.3	5.3	6.4	1.7	.2							15.0	9.8	10.0
200-220	2.0	3.2	4.4	1.1	.7							11.4	10.1	10.0
230-250	2.0	2.0	.4	.1								4.6	6.0	5.0
(W) 260-280	2.0	2.3										4.3	4.7	5.0
290-310	2.3	1.9	.2									4.4	4.9	4.0
320-340	.4	1.0	.2									1.7	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////										10.1	////////////////////////////////		
TOTALS	15.4	39.8	26.0	5.8	2.2	.2						100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	.9	.2									1.6	5.6	5.0
020-040	.7	.4										1.1	4.3	4.0
050-070	.7	.9	.2	.1	.0							1.9	6.6	6.0
(E) 080-100	.7	1.9	1.3	.9	.5	.1						5.5	11.0	10.0
110-130	2.0	11.0	9.2	2.7	.4	.0						25.3	9.6	9.0
140-160	1.5	4.8	1.8	.2								8.2	7.4	7.0
(S) 170-190	2.0	5.5	5.5	1.8	.4	.1	.0	.0				15.4	9.9	10.0
200-220	1.2	4.3	5.2	1.9	.4	.0						13.0	10.6	10.0
230-250	1.4	2.3	.9	.1	.0							4.8	6.9	6.0
(W) 260-280	1.8	2.8	.3	.0	.0							4.9	5.5	5.0
290-310	1.8	3.4	.4	.1								5.7	6.0	5.0
320-340	.9	1.9	.3	.1								3.2	6.1	5.0
VARIABLE														
CALM	////////////////////////////////////											9.5	////////////////////////////////	
TOTALS	15.3	40.1	25.3	7.9	1.7	.2						100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.6	1.9										3.5	5.0	5.0
020-040	1.3	1.1										2.4	4.3	4.0
050-070	.8	.6										1.4	4.3	4.0
(E) 080-100	.8	2.2	.3									3.3	6.5	6.0
110-130	2.9	7.2	8.1	.6								18.8	8.7	9.0
140-160	2.7	4.6	.6	.2								8.1	6.0	6.0
(S) 170-190	4.0	5.3	3.0	.6								12.9	7.1	6.0
200-220	2.1	3.8	4.1	2.2	.3							12.6	9.7	10.0
230-250	2.4	2.2	.5									5.1	5.7	5.0
(W) 260-280	2.2	2.1	.2	.2								4.6	5.6	5.0
290-310	3.8	2.9		.3								7.0	5.5	4.0
320-340	1.0	1.4	.2	.5								3.0	6.8	5.0
VARIABLE														
CALM	////////////////////											17.2	////	////
TOTALS	25.6	35.3	17.0	4.6	.3							100.0	6.0	6.0

TOTAL NUMBER OF OBSERVATIONS 628

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	.4										1.6	4.4	4.0
020-040	.5	.5		.1								1.2	5.5	5.0
050-070	1.3	.5	.1	.1								2.0	5.8	4.0
(E) 080-100	1.2	2.9	1.6	2.0	.8	.5	.2					9.2	12.3	12.0
110-130	3.0	15.6	12.0	4.0	.6							35.3	9.6	9.0
140-160	1.7	4.3	2.6	.2								8.8	7.6	7.0
(S) 170-190	1.4	2.0	2.3	1.5	.2	.1						7.5	10.5	10.5
200-220	1.1	1.9	2.6	1.5	.3							7.4	10.6	12.0
230-250	1.1	1.7		.2	.1							3.1	6.7	6.0
(W) 260-280	1.9	1.6										3.5	4.6	4.0
290-310	1.3	2.8	.4	.1								4.6	6.3	6.0
320-340	1.0	1.1	.1									2.2	5.3	5.0
VARIABLE														
CALM	////////////////////////////////////											13.4	////////	
TOTALS	16.7	35.3	21.7	9.7	2.0	.6	.2					100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.9	.5										1.4	4.8	4.0
020-040	1.4	.4										1.8	4.1	4.0
050-070	1.0	1.3	.6	.1								3.0	6.9	5.0
(E) 080-100	1.2	2.4	2.0	2.4	1.4	.3	.3					10.0	13.3	14.0
110-130	3.3	14.6	11.2	3.0	.3	.1						32.6	9.3	9.0
140-160	2.6	3.2	1.9	.2								8.0	7.1	6.0
(S) 170-190	.9	2.9	2.0	1.9	.5	.2						8.5	11.5	12.0
200-220	1.1	2.5	2.5	1.0	.3							7.3	10.0	10.0
230-250	1.5	.8	.3	.1								2.7	5.6	4.0
(W) 260-280	1.4	1.7	.2									3.3	5.5	5.0
290-310	1.6	2.6	.2									4.4	5.2	5.0
320-340	1.3	1.9	.2									3.4	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											13.5	////////////////////////////////	
TOTALS	18.2	34.8	21.1	8.7	2.5	.6	.3					100.0	7.8	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.6										2.7	5.1	5.0
020-040	.8	.8										1.5	4.8	4.5
050-070	1.1	1.2	.3									2.6	5.8	5.0
(E) 080-100	1.4	2.2	1.4	2.9	1.5	.4	.1					9.9	13.5	14.5
110-130	2.2	12.4	12.9	2.9	.5	.2						31.1	10.0	10.0
140-160	1.9	4.4	1.8	.2								8.4	7.3	6.0
(S) 170-190	.5	4.5	2.0	1.1	.9							9.0	10.2	9.0
200-220	.9	2.9	2.0	1.2	.2	.3						7.5	10.7	9.5
230-250	1.2	1.3	.2	.1								2.8	6.0	5.0
(W) 260-280	1.8	1.9	.3									4.1	5.3	5.0
290-310	1.5	3.9	.2	.1								5.7	6.1	6.0
320-340	.6	1.3	.2									2.2	5.9	6.0
VARIABLE														
CALM	////////////////////////////////////											12.6	////////////////////////////////	
TOTALS	15.0	38.4	21.3	8.5	3.1	.9	.1					100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.5	1.4										2.9	4.8	4.0
020-040	1.0	.4										1.4	4.2	4.0
050-070	1.5	1.0	.2	.1								2.8	5.5	4.0
(E) 080-100	.5	2.7	1.3	3.0	2.0	.5	.3					10.4	14.7	16.0
110-130	1.9	10.2	14.0	4.7	.2	.2						31.3	10.5	10.0
140-160	1.4	2.9	1.3	.2								5.8	7.2	6.0
(S) 170-190	1.7	3.9	2.5	.9	.4	.2						9.6	9.4	8.0
200-220	.6	3.1	3.5	.8	.6							8.7	11.0	10.0
230-250	.8	1.1	.3	.1								2.3	6.6	6.0
(W) 260-280	1.1	1.7	.4	.2								3.4	6.5	6.0
290-310	1.3	3.8	.4									5.5	6.0	6.0
320-340	2.4	2.8	.2									5.4	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											10.5	////////	
TOTALS	15.7	35.0	24.1	10.0	3.2	.9	.3					100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.3	2.2										3.4	5.2	5.0
020-040	.8	.8										1.5	4.5	4.5
050-070	.6	2.2	.9	.2	.1							4.0	8.3	6.0
(E) 080-100	.6	2.3	1.5	2.6	3.0	.5	.2					10.8	15.3	16.0
110-130	1.7	8.8	14.1	4.3	.8	.1						29.8	11.0	11.0
140-160	.8	3.0	2.7	.3								6.8	8.8	9.0
(S) 170-190	.9	2.8	1.8	1.0	.1	.1						6.7	9.4	8.5
200-220	.5	3.4	3.2	1.3	.8	.1						9.4	11.2	11.0
230-250	.8	1.1	1.2	.3	.1							3.4	9.0	7.5
(W) 260-280	1.1	2.8	.8	.1								4.7	6.9	6.0
290-310	2.8	5.7	.5									9.0	5.7	5.0
320-340	1.5	3.1	.2		.2							5.1	5.9	5.0
VARIABLE														
CALM	////////////////////////////////////											5.5	////////	
TOTALS	13.4	38.2	26.9	10.1	5.1	.8	.2					100.0	9.2	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.4										2.6	4.9	5.0
020-040	.9	.4										1.3	4.6	4.0
050-070	.2	.5	.3	.4								1.5	10.2	10.0
(E) 080-100	1.4	1.9	1.6	2.8	2.3	.2	.2					10.5	14.0	15.0
110-130	2.0	12.1	15.3	4.6	1.1	.1						35.2	10.7	10.0
140-160	.8	3.8	2.2	.2								6.9	8.3	8.0
(S) 170-190	1.3	4.1	3.0	1.0	.4							9.8	9.5	9.0
200-220	.1	2.0	1.7	.6	.6							5.2	11.5	10.0
230-250	1.4	1.7	1.4	.2	.2							5.0	8.3	7.0
(W) 260-280	1.5	2.9	.5	.1	.1							5.2	6.4	5.5
290-310	2.0	3.0	.4	.2	.1							5.8	6.3	5.0
320-340	1.2	2.3	.3	.1	.1							4.0	6.7	6.0
VARIABLE														
CALM	////////////////////////////////////											7.1	////////////////////////////////	
TOTALS	14.0	36.1	26.7	10.2	4.9	.3	.2					100.0	9.1	9.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IA. CR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	.6	1.2		.1								1.9	6.0	5.5
020-040	.8	.1										.9	4.0	4.0
050-070	.6	.3	.1	.3								1.4	7.8	5.0
(E) 080-100	1.4	2.3	1.7	3.8	1.1	.5	.3					11.1	13.7	15.0
110-130	1.8	16.5	16.8	4.1	.8							40.0	10.1	10.0
140-160	1.2	3.2	1.7	.1								6.3	7.6	7.0
(S) 170-190	1.1	3.6	2.3	1.0	.2	.1						8.2	9.4	8.5
200-220	1.0	1.5	1.7	.6	1.0	.1						5.9	11.5	10.0
230-250	1.3	1.8	.3	.1								3.6	6.1	6.0
(W) 260-280	1.3	2.0		.1								3.5	5.7	5.0
290-310	1.5	1.8										3.3	5.1	5.0
320-340	.9	1.8	.5									3.2	6.6	6.0
VARIABLE														
CALM	////////////////////////////////////											10.7	////////	
TOTALS	13.5	36.1	25.1	10.2	3.1	.7	.3					100.0	8.5	9.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.2	1.1										2.3	5.0	4.0
020-040	.8	.3	.1									1.2	4.9	4.0
050-070	1.1	1.0	.4									2.5	6.1	5.0
(E) 080-100	1.2	2.4	2.3	2.8	.4	.4	.3	.1				9.9	12.9	13.0
110-130	1.6	16.8	15.4	3.3	.6	.3						38.2	9.9	10.0
140-160	1.9	3.6	1.9	.1								7.6	7.6	7.0
(S) 170-190	1.5	3.3	2.4	1.0	.1							8.3	9.1	8.0
200-220	1.1	2.3	2.3	1.1	.3	.1						7.1	10.2	10.0
230-250	.1	.9	.5	.1								1.6	8.8	8.0
(W) 260-280	1.6	1.0	.2		.1							2.9	5.9	4.0
290-310	2.6	1.6	.1									4.3	4.8	4.0
320-340	1.1	.8	.3									2.3	5.5	4.0
VARIABLE														
CALM	////////////////////////////////////											11.9	////////	
TOTALS	15.9	35.1	25.9	8.4	1.5	.8	.3	.1				100.0	8.1	8.0

TOTAL NUMBER OF OBSERVATIONS 927

C - 4 - 110

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	1.1	1.2		.0								2.4	5.0	5.0
020-040	.8	.5	.0	.0								1.3	4.5	4.0
050-070	.9	1.0	.4	.2	.0							2.5	7.0	5.0
(E) 080-100	1.1	2.4	1.7	2.8	1.6	.4	.3	.0				10.2	13.7	14.0
110-130	2.2	13.4	14.0	3.9	.6	.1						34.2	10.1	10.0
140-160	1.5	3.6	2.0	.2								7.3	7.7	7.0
(S) 170-190	1.2	3.4	2.3	1.2	.4	.1						8.4	9.9	9.0
200-220	.8	2.5	2.4	1.0	.5	.1						7.3	10.8	10.0
230-250	1.0	1.3	.5	.2	.1							3.1	7.2	6.0
(W) 260-280	1.5	2.0	.3	.1	.0							3.8	5.9	5.0
290-310	1.8	3.1	.3	.1	.0							5.3	5.8	5.0
320-340	1.3	1.9	.3	.0	.0							3.5	5.9	5.0
VARIABLE														
CALM	////////////////////											10.7	////////	
TOTALS	15.2	36.3	24.2	9.7	3.2	.7	.3					100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 7432

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	MEAN	MEDIAN
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.3	2.1										4.4	4.6	4.0
020-040	2.1	.7										2.7	4.1	4.0
050-070	1.2	.5										1.7	4.3	4.0
(E) 080-100	1.5	1.6	.2		.3		.2					3.7	7.9	5.0
110-130	3.7	15.9	6.2	.9	.1	.1						26.8	7.8	7.0
140-160	2.9	3.5	.5									6.9	5.4	5.0
(S) 170-190	1.8	3.0	.3	.4								5.5	6.6	6.0
200-220	1.5	2.6	1.2	.7	.2							6.1	8.6	7.0
230-250	2.1	.8	.1									3.0	4.5	4.0
(W) 260-280	2.6	2.3	.1									5.0	4.7	4.0
290-310	2.7	4.5	.1									7.3	5.2	5.0
320-340	2.3	4.1	.2									6.6	5.5	5.0
VARIABLE														
CALM	////////////////////////////////////											20.3	////////	
TOTALS	26.7	41.6	8.9	2.0	.6	.1	.2					100.0	5.1	5.0

TOTAL NUMBER OF OBSERVATIONS 1166

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.1	3.5	.6	.0	.0							6.2	5.9	5.0
020-040	1.3	1.0	.0	.0								2.4	4.6	4.0
050-070	1.2	1.2	.2	.1	.0							2.7	5.5	5.0
(E) 080-100	1.2	2.2	1.0	.9	.4	.1	.0	.0				5.8	9.8	8.0
110-130	1.8	7.4	5.3	1.2	.2	.0	.0	.0				16.0	9.1	8.0
140-160	1.1	2.8	.8	.1								4.7	6.9	6.0
(S) 170-190	1.4	4.0	2.6	.8	.2	.0	.0	.0				8.9	8.9	8.0
200-220	.9	2.9	2.7	.8	.2	.0	.0	.0				7.6	9.7	10.0
230-250	1.3	1.9	.8	.1	.0	.0	.0					4.1	6.9	6.0
(W) 260-280	1.9	3.5	.5	.1	.0							5.9	6.0	5.0
290-310	2.4	8.2	1.7	.1	.0							12.5	6.7	6.0
320-340	2.2	8.3	2.9	.3	.0							13.7	7.4	7.0
VARIABLE														
CALM	////////////////////////////////////											9.6	////////	
TOTALS	18.8	46.9	19.1	4.5	1.0	.1						100.0	7.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 87640

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND	MEDIAN WIND
	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
(N) 350-010	2.6	3.7	.1									6.5	5.1	5.0
020-040	2.2	1.3										3.5	4.3	4.0
050-070	1.4	.7										2.2	4.2	4.0
(E) 080-100	1.6	2.1	.2	.1	.1		.0					4.1	6.1	5.0
110-130	3.3	10.2	5.5	.7	.1	.0						19.8	7.9	7.0
140-160	2.0	3.6	.5	.1								6.2	6.0	5.0
(S) 170-190	2.1	4.6	2.3	.8	.2	.0						10.0	8.3	7.0
200-220	1.2	2.8	2.2	1.0	.4	.0						7.7	9.7	9.0
230-250	1.9	1.1	.2	.0								3.2	5.0	4.0
(W) 260-280	2.3	2.0	.2	.0								4.4	4.9	4.0
290-310	2.9	4.9	.1	.1								8.0	5.3	5.0
320-340	2.6	5.5	.3	.1								8.5	5.8	5.0
VARIABLE														
CALM	////////////////////////////////////											16.0	////////	
TOTALS	26.1	42.5	11.6	2.9	.8							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS: 5576

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	DDDDDDDD
PPPPPPPP	AAAAAAAA	RRRRRRRRR	TTTTTTTTTTT	DDDDDDDDDD
PP PP	AA AA	RR RR	TT	DD DD
PP PP	AA AA	RR RR	TT	DD DD
PPPPPPPP	AA AA	RRRRRRRRR	TT	DD DD
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	DD DD
PP	AAAAAAAAA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DD DD
PP	AA AA	RR RR	TT	DDDDDDDD
PP	AA AA	RR RR	TT	DDDDDDDD

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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

D - 1 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	24.0	24.7	25.3	25.8	25.9	25.9	26.1	26.1	26.2	26.3	26.3	26.3	26.6	26.6	27.0	28.6
GE 20000	28.3	29.0	29.6	30.1	30.2	30.2	30.4	30.4	30.5	30.8	30.8	30.8	31.0	31.0	31.4	33.0
GE 18000	28.4	29.1	29.7	30.2	30.3	30.3	30.5	30.5	30.6	30.9	30.9	30.9	31.1	31.1	31.5	33.1
GE 16000	28.4	29.1	29.7	30.2	30.3	30.3	30.5	30.5	30.6	30.9	30.9	30.9	31.1	31.1	31.5	33.1
GE 14000	30.2	31.0	31.5	32.0	32.2	32.2	32.4	32.4	32.5	32.7	32.7	32.7	32.9	32.9	33.3	34.9
GE 12000	31.7	32.5	33.0	33.7	33.9	33.9	34.1	34.1	34.2	34.4	34.4	34.4	34.6	34.6	35.1	36.7
GE 10000	34.3	35.1	35.6	36.2	36.5	36.5	36.7	36.7	36.8	37.0	37.0	37.0	37.2	37.2	37.6	39.2
GE 9000	35.6	36.3	36.9	37.5	37.7	37.7	38.0	38.0	38.1	38.3	38.3	38.3	38.5	38.5	38.9	40.5
GE 8000	36.7	37.4	38.0	38.6	38.8	38.8	39.0	39.0	39.1	39.4	39.4	39.4	39.6	39.6	40.0	41.6
GE 7000	39.6	40.3	40.9	41.5	41.7	41.7	41.9	41.9	42.0	42.3	42.3	42.3	42.5	42.5	42.9	44.5
GE 6000	43.4	44.2	44.7	45.4	45.6	45.6	45.8	45.8	45.9	46.1	46.1	46.1	46.3	46.3	46.8	48.4
GE 5000	48.5	49.4	49.9	50.5	50.8	50.8	51.0	51.1	51.2	51.4	51.4	51.4	51.6	51.6	52.0	53.7
GE 4500	53.7	54.6	55.2	55.9	56.1	56.1	56.3	56.5	56.6	56.8	56.8	56.8	57.0	57.0	57.4	59.0
GE 4000	59.7	60.9	61.6	62.5	62.7	62.7	62.9	63.0	63.1	63.3	63.3	63.3	63.5	63.5	64.0	65.6
GE 3500	62.4	63.5	64.4	65.3	65.5	65.6	65.8	65.9	66.0	66.2	66.2	66.2	66.5	66.5	66.9	68.5
GE 3000	69.4	70.8	71.9	73.0	73.3	73.7	73.9	74.0	74.1	74.3	74.3	74.3	74.5	74.5	74.9	76.6
GE 2500	72.8	74.6	75.9	77.1	77.4	77.7	78.0	78.1	78.2	78.4	78.4	78.4	78.6	78.6	79.0	80.6
GE 2000	74.7	76.8	78.2	79.4	79.7	80.0	80.2	80.3	80.4	80.6	80.6	80.6	80.9	80.9	81.3	82.9
GE 1800	76.0	78.3	79.8	81.0	81.3	81.6	81.8	81.9	82.0	82.3	82.3	82.3	82.5	82.5	82.9	84.5
GE 1500	78.8	81.4	83.0	84.4	84.8	85.2	85.4	85.5	85.6	85.8	85.8	85.8	86.0	86.0	86.5	88.1
GE 1200	80.3	83.0	84.6	86.1	87.2	87.6	88.0	88.1	88.2	88.4	88.4	88.4	88.6	88.6	89.0	90.6
GE 1000	80.8	83.4	85.2	86.8	88.0	88.5	88.9	89.0	89.1	89.4	89.4	89.4	89.6	89.6	90.0	91.6
GE 900	81.3	84.0	85.8	87.4	89.0	89.6	90.0	90.1	90.2	90.4	90.4	90.4	90.6	90.6	91.1	92.7
GE 800	81.4	84.2	86.0	87.6	89.2	89.8	90.2	90.3	90.4	90.8	90.8	90.8	91.0	91.0	91.4	93.0
GE 700	81.4	84.2	86.2	87.8	89.6	90.1	90.5	90.6	90.8	91.1	91.1	91.1	91.3	91.3	91.7	93.3
GE 600	81.4	84.2	86.2	87.8	89.8	90.3	90.8	90.9	91.0	91.3	91.3	91.3	91.5	91.5	91.9	93.7
GE 500	81.4	84.2	86.3	88.0	90.1	91.0	91.4	91.7	91.8	92.2	92.2	92.2	92.5	92.5	92.9	94.6
GE 400	81.4	84.2	86.3	88.0	90.3	91.2	91.6	92.0	92.2	92.5	92.5	92.5	92.8	92.8	93.3	95.1
GE 300	81.4	84.2	86.3	88.1	90.4	91.3	91.9	92.5	92.6	92.9	92.9	92.9	93.2	93.2	94.0	95.8
GE 200	81.4	84.2	86.3	88.1	90.4	91.3	91.9	92.7	92.9	93.2	93.2	93.2	94.0	94.0	95.4	97.6
GE 100	81.4	84.2	86.3	88.1	90.4	91.3	91.9	92.7	92.9	93.2	93.4	93.4	94.3	94.4	95.8	99.7
GE 000	81.4	84.2	86.3	88.1	90.4	91.3	91.9	92.7	92.9	93.2	93.4	93.4	94.3	94.4	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.1	20.3	20.5	21.3	22.3	22.3	22.4	22.5	22.5	22.6	22.8	22.8	22.9	22.9	23.9	25.3
GE 20000	23.7	23.9	24.1	24.9	26.0	26.0	26.1	26.6	26.6	26.7	26.9	26.9	27.0	27.0	28.0	29.4
GE 18000	23.9	24.1	24.3	25.2	26.2	26.2	26.3	26.8	26.8	26.9	27.1	27.1	27.2	27.2	28.2	29.6
GE 16000	24.1	24.3	24.5	25.4	26.5	26.5	26.6	27.0	27.0	27.1	27.3	27.3	27.4	27.4	28.4	29.8
GE 14000	25.8	26.0	26.3	27.2	28.3	28.3	28.4	28.8	28.8	28.9	29.1	29.1	29.2	29.2	30.2	31.6
GE 12000	28.1	28.3	28.8	29.8	31.0	31.0	31.1	31.5	31.5	31.6	31.8	31.8	31.9	31.9	32.9	34.3
GE 10000	30.9	31.1	31.6	32.6	33.8	33.8	33.9	34.4	34.4	34.5	34.7	34.7	34.8	34.8	35.8	37.2
GE 9000	33.5	33.8	34.3	35.3	36.5	36.5	36.6	37.1	37.1	37.2	37.4	37.4	37.5	37.5	38.5	39.9
GE 8000	35.5	35.7	36.2	37.2	38.4	38.4	38.5	39.0	39.0	39.1	39.4	39.4	39.5	39.5	40.4	41.8
GE 7000	38.5	38.7	39.2	40.2	41.4	41.4	41.5	42.0	42.0	42.2	42.4	42.4	42.5	42.5	43.4	44.8
GE 6000	41.6	41.8	42.4	43.3	44.5	44.5	44.6	45.2	45.2	45.3	45.5	45.5	45.6	45.6	46.6	48.0
GE 5000	44.5	44.7	45.3	46.2	47.4	47.4	47.5	48.1	48.1	48.2	48.4	48.4	48.5	48.5	49.5	50.9
GE 4500	48.0	48.4	49.0	50.0	51.2	51.2	51.3	51.8	51.8	51.9	52.2	52.2	52.3	52.3	53.2	54.6
GE 4000	53.9	54.5	55.4	56.3	57.5	57.5	57.6	58.2	58.2	58.3	58.5	58.5	58.7	58.7	59.7	61.1
GE 3500	57.5	58.3	59.1	60.1	61.7	61.7	61.8	62.4	62.4	62.5	62.7	62.7	62.9	62.9	63.9	65.3
GE 3000	64.2	64.9	65.8	66.9	68.5	68.5	68.6	69.1	69.1	69.2	69.5	69.5	69.7	69.7	70.6	72.0
GE 2500	67.1	68.2	69.2	70.4	72.0	72.0	72.2	72.8	72.8	72.9	73.1	73.1	73.3	73.3	74.3	75.7
GE 2000	69.5	70.9	71.9	73.1	74.8	74.8	74.9	75.6	75.6	75.7	76.0	76.0	76.2	76.2	77.2	78.6
GE 1800	70.5	72.0	73.1	74.4	76.1	76.1	76.2	76.9	76.9	77.0	77.3	77.3	77.5	77.5	78.5	79.9
GE 1500	73.9	75.8	76.9	78.7	80.8	80.8	80.9	81.5	81.5	81.6	81.9	81.9	82.2	82.2	83.1	84.5
GE 1200	75.5	77.5	78.8	80.6	83.0	83.0	83.1	83.8	83.8	83.9	84.2	84.2	84.4	84.4	85.4	86.8
GE 1000	76.6	78.6	79.9	81.7	84.4	84.6	84.7	85.4	85.4	85.5	85.8	85.8	86.0	86.0	87.0	88.4
GE 900	77.0	79.0	80.5	82.5	85.5	85.7	85.8	86.5	86.5	86.6	86.9	86.9	87.1	87.1	88.1	89.5
GE 800	77.0	79.0	80.8	82.8	85.9	86.2	86.3	87.0	87.0	87.1	87.4	87.4	87.6	87.6	88.6	90.0
GE 700	77.4	79.5	81.3	83.3	86.5	86.8	86.9	87.6	87.6	87.7	88.2	88.2	88.4	88.4	89.4	90.8
GE 600	77.4	79.5	81.3	83.3	86.6	86.9	87.0	87.7	87.7	87.8	88.3	88.3	88.5	88.5	89.6	91.0
GE 500	77.6	79.8	81.6	83.7	87.1	87.4	87.6	88.4	88.4	88.6	89.0	89.0	89.4	89.4	90.5	92.0
GE 400	77.6	79.8	81.7	83.8	87.7	88.1	88.4	89.1	89.1	89.4	89.9	89.9	90.2	90.2	91.4	93.0
GE 300	77.7	80.0	81.9	84.0	88.3	88.6	89.0	90.3	90.3	90.5	91.2	91.2	91.8	91.8	93.2	95.4
GE 200	77.7	80.0	81.9	84.0	88.3	88.6	89.0	90.5	90.5	91.1	91.7	91.8	93.0	93.0	94.6	97.0
GE 100	77.7	80.0	81.9	84.0	88.3	88.6	89.0	90.5	90.5	91.1	91.7	91.8	93.1	93.2	94.9	98.8
GE 000	77.7	80.0	81.9	84.0	88.3	88.6	89.0	90.5	90.5	91.1	91.7	91.8	93.1	93.2	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.6	20.9	21.0	21.2	21.4	21.5	21.6	21.8	21.8	22.0	22.2	22.2	22.2	22.2	22.9	23.8
GE 20000	24.2	24.4	24.5	24.7	25.2	25.3	25.4	25.6	25.6	25.9	26.0	26.0	26.0	26.1	27.2	28.2
GE 18000	24.4	24.6	24.7	24.9	25.4	25.5	25.6	25.8	25.8	26.1	26.2	26.2	26.2	26.3	27.4	28.4
GE 16000	24.6	24.8	24.9	25.2	25.6	25.7	25.8	26.0	26.0	26.3	26.5	26.5	26.5	26.7	27.7	28.7
GE 14000	25.7	25.9	26.1	26.3	26.8	26.9	27.0	27.2	27.2	27.5	27.6	27.6	27.6	27.8	29.0	30.0
GE 12000	28.2	28.4	28.7	28.9	29.4	29.5	29.6	29.8	29.9	30.2	30.3	30.3	30.3	30.5	31.7	32.7
GE 10000	30.4	30.6	31.0	31.3	31.8	31.9	32.0	32.3	32.4	32.7	32.8	32.8	32.8	33.0	34.2	35.2
GE 9000	31.6	31.8	32.2	32.6	33.1	33.2	33.3	33.5	33.7	34.0	34.1	34.1	34.1	34.3	35.5	36.5
GE 8000	32.9	33.1	33.4	33.9	34.4	34.5	34.6	34.8	34.9	35.3	35.4	35.4	35.4	35.6	36.8	37.7
GE 7000	35.4	35.6	35.9	36.6	37.2	37.4	37.5	37.7	37.8	38.3	38.4	38.4	38.4	38.6	39.8	40.8
GE 6000	39.2	39.5	39.8	40.5	41.2	41.4	41.5	41.7	41.8	42.3	42.4	42.4	42.4	42.6	43.8	44.7
GE 5000	43.9	44.1	44.4	45.2	45.8	46.0	46.1	46.3	46.5	46.9	47.0	47.0	47.0	47.2	48.4	49.4
GE 4500	48.8	49.0	49.4	50.1	50.8	51.0	51.2	51.4	51.5	51.9	52.0	52.0	52.0	52.3	53.4	54.4
GE 4000	56.2	56.5	57.1	57.8	58.5	58.7	58.9	59.1	59.2	59.7	59.8	59.8	59.8	60.0	61.2	62.2
GE 3500	58.9	59.2	60.0	60.8	61.4	61.6	61.8	62.0	62.2	62.6	62.7	62.7	62.7	62.9	64.1	65.1
GE 3000	64.5	64.8	65.7	66.6	67.3	67.5	67.7	68.1	68.2	68.6	68.8	68.8	68.8	69.0	70.2	71.2
GE 2500	66.5	66.9	67.8	68.9	69.7	69.9	70.1	70.4	70.5	71.0	71.2	71.2	71.2	71.4	72.6	73.5
GE 2000	68.3	68.7	69.7	70.9	71.7	71.9	72.2	72.5	72.6	73.0	73.2	73.2	73.2	73.4	74.6	75.6
GE 1800	68.9	69.5	70.5	71.7	72.7	72.9	73.1	73.4	73.5	74.0	74.2	74.2	74.2	74.4	75.6	76.6
GE 1500	72.3	73.0	74.2	75.4	76.6	76.8	77.1	77.4	77.5	78.0	78.2	78.2	78.2	78.4	79.6	80.5
GE 1200	74.2	75.5	76.9	78.2	79.8	80.0	80.3	80.6	80.8	81.2	81.5	81.5	81.5	81.7	82.9	83.9
GE 1000	75.2	76.8	78.3	79.7	81.4	81.6	81.9	82.3	82.4	82.8	83.1	83.1	83.1	83.3	84.5	85.5
GE 900	75.2	76.9	78.4	80.2	82.0	82.3	82.7	83.0	83.1	83.5	83.9	83.9	83.9	84.1	85.3	86.3
GE 800	75.6	77.4	78.9	80.8	82.7	82.9	83.5	83.9	84.0	84.4	84.7	84.7	84.7	84.9	86.1	87.2
GE 700	75.7	77.5	79.4	81.2	83.2	83.4	84.4	84.7	84.8	85.4	85.7	85.7	85.7	85.9	87.3	88.4
GE 600	75.7	77.7	79.7	81.7	83.9	84.1	85.1	85.5	85.6	86.2	86.6	86.6	86.6	86.8	88.2	89.2
GE 500	75.7	78.1	80.1	82.5	84.7	84.9	85.9	86.5	86.6	87.3	87.7	87.7	87.7	88.0	89.6	90.8
GE 400	75.9	78.3	80.3	82.8	85.4	85.6	86.9	87.7	87.8	88.7	89.2	89.2	89.4	89.6	91.4	92.6
GE 300	75.9	78.3	80.3	82.9	85.7	85.9	87.3	88.4	88.6	89.8	90.8	90.8	91.3	91.5	93.5	95.1
GE 200	75.9	78.3	80.3	82.9	85.8	86.0	87.4	88.7	88.9	90.1	91.2	91.2	92.0	92.3	94.6	96.3
GE 100	75.9	78.3	80.3	82.9	85.8	86.0	87.4	88.7	88.9	90.2	91.4	91.4	92.4	92.6	95.3	99.2
GE 000	75.9	78.3	80.3	82.9	85.8	86.0	87.4	88.7	88.9	90.2	91.4	91.4	92.4	92.6	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.3	21.7	21.9	22.2	22.7	22.9	23.0	23.1	23.1	23.2	23.2	23.2	23.4	23.4	23.5	24.1
GE 20000	25.9	26.5	26.8	27.0	27.7	28.2	28.3	28.6	28.6	28.7	28.7	28.7	29.0	29.0	29.2	30.0
GE 18000	26.0	26.6	26.9	27.1	27.8	28.3	28.4	28.7	28.7	28.8	28.8	28.8	29.1	29.1	29.4	30.1
GE 16000	26.2	26.8	27.1	27.3	28.1	28.5	28.6	28.9	28.9	29.0	29.0	29.0	29.4	29.4	29.6	30.3
GE 14000	28.5	29.2	29.6	29.8	30.6	31.1	31.2	31.5	31.5	31.7	31.7	31.7	32.0	32.0	32.3	33.0
GE 12000	30.3	31.1	31.4	31.6	32.5	32.9	33.0	33.3	33.3	33.5	33.5	33.5	34.0	34.0	34.4	35.2
GE 10000	34.7	35.5	35.8	36.0	36.9	37.3	37.4	37.7	37.7	38.0	38.0	38.0	38.4	38.4	38.8	39.7
GE 9000	36.5	37.2	37.5	37.7	38.6	39.0	39.1	39.5	39.5	39.7	39.7	39.7	40.1	40.1	40.5	41.4
GE 8000	37.8	38.6	38.9	39.1	40.1	40.5	40.6	41.0	41.0	41.2	41.3	41.3	41.7	41.8	42.3	43.1
GE 7000	40.0	40.8	41.1	41.3	42.3	42.8	42.9	43.2	43.2	43.5	43.7	43.7	44.1	44.2	44.6	45.5
GE 6000	43.0	44.0	44.4	44.6	45.6	46.1	46.2	46.6	46.6	46.9	47.0	47.0	47.4	47.5	48.0	48.8
GE 5000	48.4	49.4	49.9	50.2	51.2	51.7	51.8	52.2	52.2	52.5	52.6	52.6	53.0	53.1	53.7	54.5
GE 4500	51.0	52.0	52.6	52.9	53.9	54.4	54.5	54.8	54.8	55.2	55.3	55.3	55.7	55.8	56.3	57.2
GE 4000	57.8	59.1	59.7	60.0	61.0	61.5	61.7	62.2	62.3	62.6	62.7	62.7	63.1	63.2	63.8	64.6
GE 3500	60.3	61.6	62.3	62.9	63.9	64.4	64.8	65.3	65.4	65.8	65.9	65.9	66.3	66.5	67.0	67.8
GE 3000	65.9	67.3	68.1	68.9	70.3	70.9	71.4	71.8	71.9	72.4	72.5	72.5	72.9	73.0	73.5	74.4
GE 2500	67.1	68.5	69.6	70.5	72.0	72.6	73.1	73.5	73.8	74.2	74.3	74.3	74.7	74.8	75.4	76.2
GE 2000	69.0	70.4	71.8	73.0	74.6	75.3	75.8	76.3	76.6	77.1	77.2	77.2	77.6	77.7	78.3	79.1
GE 1800	69.8	71.2	72.7	74.0	75.8	76.5	77.0	77.5	77.7	78.4	78.5	78.5	78.9	79.0	79.6	80.4
GE 1500	72.8	74.2	75.8	77.2	79.1	79.9	80.4	81.0	81.2	82.0	82.2	82.2	82.6	82.7	83.2	84.1
GE 1200	75.3	76.8	78.8	80.5	82.7	83.4	84.0	84.5	84.7	85.7	85.8	85.8	86.2	86.3	86.9	87.7
GE 1000	76.1	78.1	80.2	82.2	84.5	85.3	86.1	86.7	86.9	87.8	88.0	88.0	88.4	88.5	89.0	89.9
GE 900	76.7	78.6	80.8	82.7	85.1	85.8	86.7	87.2	87.4	88.5	88.6	88.6	89.0	89.1	89.7	90.5
GE 800	76.9	78.8	81.0	83.4	86.0	86.8	87.8	88.7	88.9	90.0	90.1	90.1	90.5	90.6	91.2	92.0
GE 700	77.0	79.1	81.5	84.0	86.8	87.5	88.6	89.5	89.8	90.9	91.0	91.0	91.4	91.5	92.0	92.9
GE 600	77.0	79.1	81.5	84.1	87.1	87.8	88.9	89.9	90.2	91.5	91.6	91.6	92.0	92.2	92.7	93.5
GE 500	77.0	79.1	81.7	84.3	87.5	88.3	89.6	90.8	91.1	92.5	92.6	92.5	93.1	93.2	93.8	94.6
GE 400	77.0	79.1	81.7	84.4	87.6	88.4	89.8	91.2	91.5	93.1	93.4	93.4	94.0	94.1	94.6	95.5
GE 300	77.0	79.1	81.7	84.4	87.6	88.4	89.9	91.6	91.9	94.1	94.7	94.7	95.5	95.6	96.5	97.4
GE 200	77.0	79.1	81.7	84.4	87.6	88.4	89.9	91.6	92.2	94.3	95.1	95.1	95.8	95.9	97.5	98.8
GE 100	77.0	79.1	81.7	84.4	87.6	88.4	89.9	91.6	92.2	94.3	95.1	95.1	95.8	95.9	97.5	99.7
GE 000	77.0	79.1	81.7	84.4	87.6	88.4	89.9	91.6	92.2	94.3	95.1	95.1	95.8	95.9	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	23.4	23.8	24.0	24.2	24.5	24.7	25.2	25.3	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.6
GE 20000	31.4	31.7	31.9	32.2	32.7	33.0	33.8	33.9	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.2
GE 18000	31.6	31.9	32.2	32.4	32.9	33.2	34.0	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.4
GE 16000	32.2	32.5	32.7	32.9	33.4	33.8	34.5	34.6	34.6	34.6	34.7	34.7	34.7	34.7	34.7	34.9
GE 14000	33.8	34.1	34.3	34.5	35.1	35.4	36.1	36.2	36.2	36.2	36.3	36.3	36.3	36.3	36.3	36.6
GE 12000	36.1	36.5	36.7	36.9	37.4	37.7	38.6	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	39.0
GE 10000	40.0	40.3	40.5	40.8	41.3	41.6	42.5	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.9
GE 9000	41.3	41.6	41.8	42.0	42.6	42.9	43.8	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.2
GE 8000	43.8	44.1	44.3	44.5	45.1	45.4	46.2	46.3	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.7
GE 7000	45.7	46.0	46.3	46.6	47.1	47.4	48.3	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.7
GE 6000	49.1	49.6	49.9	50.1	50.6	51.0	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.3
GE 5000	52.3	52.7	53.2	53.4	54.0	54.3	55.2	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.6
GE 4500	56.3	56.9	57.4	57.7	58.3	58.6	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.9
GE 4000	63.7	64.2	64.8	65.5	66.1	66.5	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.7
GE 3500	66.5	67.5	68.3	69.4	70.0	70.3	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.6
GE 3000	71.7	73.0	74.0	75.5	76.2	76.6	77.4	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.8
GE 2500	73.4	74.8	76.0	77.8	78.7	79.0	79.9	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.3
GE 2000	77.1	78.6	79.8	81.8	82.8	83.1	84.2	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.7
GE 1800	78.0	79.6	80.8	82.8	83.8	84.1	85.2	85.4	85.4	85.5	85.6	85.6	85.7	85.7	85.7	85.9
GE 1500	81.0	82.9	84.6	87.3	88.4	88.8	89.9	90.1	90.1	90.3	90.4	90.4	90.5	90.5	90.5	90.8
GE 1200	82.6	84.9	87.2	90.5	91.7	92.2	93.2	93.4	93.4	93.7	93.8	93.8	93.9	93.9	93.9	94.1
GE 1000	82.8	85.3	87.8	91.4	92.6	93.0	94.1	94.3	94.3	94.5	94.6	94.6	94.7	94.7	94.7	94.9
GE 900	83.4	85.9	88.6	92.3	93.4	93.9	94.9	95.2	95.2	95.4	95.5	95.5	95.6	95.6	95.6	95.8
GE 800	83.5	86.0	88.7	92.6	93.8	94.2	95.4	95.7	95.7	95.9	96.0	96.0	96.1	96.1	96.1	96.3
GE 700	83.7	86.1	88.8	92.8	94.0	94.4	96.0	96.5	96.5	96.7	96.8	96.8	96.9	96.9	96.9	97.1
GE 600	83.7	86.1	88.8	92.8	94.0	94.4	96.1	96.6	96.6	96.9	97.0	97.0	97.1	97.1	97.1	97.3
GE 500	83.7	86.1	88.8	92.9	94.1	94.6	96.5	96.9	96.9	97.4	97.5	97.5	97.6	97.6	97.6	97.8
GE 400	83.7	86.1	88.8	92.9	94.2	94.8	96.8	97.2	97.2	98.2	98.3	98.3	98.6	98.6	98.6	98.8
GE 300	83.7	86.1	88.8	92.9	94.2	94.8	96.9	97.4	97.4	98.5	98.7	98.7	99.1	99.1	99.2	99.5
GE 200	83.7	86.1	88.8	92.9	94.2	94.8	96.9	97.4	97.4	98.5	98.7	98.7	99.1	99.2	99.6	99.8
GE 100	83.7	86.1	88.8	92.9	94.2	94.8	96.9	97.4	97.4	98.5	98.7	98.7	99.1	99.2	99.6	99.8
GE 000	83.7	86.1	88.8	92.9	94.2	94.8	96.9	97.4	97.4	98.5	98.7	98.7	99.1	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHFVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.6	25.7	25.9	26.2	26.2	26.3	26.3	26.3	26.3	26.6	26.6	26.6	26.6	26.6	26.6	26.6
GE 20000	32.5	32.6	32.8	33.2	33.4	33.7	33.7	33.7	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9
GE 18000	33.0	33.1	33.3	33.8	34.0	34.2	34.2	34.2	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4
GE 16000	33.4	33.5	33.8	34.2	34.4	34.6	34.6	34.6	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 14000	35.8	35.9	36.1	36.6	36.8	37.0	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 12000	39.0	39.1	39.4	39.8	40.0	40.2	40.2	40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 10000	41.8	41.9	42.2	42.6	42.8	43.0	43.0	43.0	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GE 9000	43.7	43.8	44.0	44.4	44.6	44.8	44.8	44.8	44.8	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 8000	45.2	45.3	45.5	45.9	46.1	46.3	46.3	46.3	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 7000	48.2	48.4	48.6	49.0	49.2	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 6000	52.4	52.6	52.8	53.2	53.4	53.8	53.8	53.8	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 5000	56.1	56.5	57.1	57.6	58.0	58.3	58.4	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 4500	59.9	60.3	61.1	61.7	62.2	62.5	62.7	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 4000	67.1	67.8	68.6	69.2	69.7	70.0	70.2	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 3500	70.4	71.2	72.0	72.8	73.2	73.5	73.8	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 3000	75.5	76.6	77.6	78.4	78.8	79.1	79.4	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 2500	77.8	79.4	81.0	81.8	82.4	82.7	82.9	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2000	81.2	82.8	84.5	85.6	86.1	86.5	86.8	87.0	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1800	82.4	84.0	85.9	87.0	87.6	88.1	88.4	88.6	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1500	85.4	87.7	89.9	91.4	92.3	92.7	93.0	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 1200	85.7	88.1	90.5	92.3	93.3	93.8	94.2	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1000	86.2	88.7	91.7	93.4	94.6	95.2	95.6	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	86.6	89.0	92.0	93.8	94.9	95.5	96.0	96.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	86.6	89.0	92.0	93.8	94.9	95.5	96.3	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 700	86.8	89.2	92.3	94.0	95.4	96.0	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 600	86.8	89.2	92.3	94.1	95.5	96.1	97.3	97.6	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	86.8	89.2	92.3	94.1	95.5	96.1	97.4	97.8	97.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	86.8	89.2	92.3	94.1	95.5	96.3	97.6	98.1	98.1	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	86.8	89.2	92.3	94.1	95.5	96.3	97.6	98.2	98.2	99.0	99.0	99.0	99.2	99.2	99.4	99.4
GE 200	86.8	89.2	92.3	94.1	95.5	96.3	97.6	98.3	98.3	99.1	99.1	99.1	99.5	99.5	99.9	99.9
GE 100	86.8	89.2	92.3	94.1	95.5	96.3	97.6	98.3	98.3	99.1	99.1	99.1	99.5	99.5	99.9	100.0
GE 000	86.8	89.2	92.3	94.1	95.5	96.3	97.6	98.3	98.3	99.1	99.1	99.1	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.0	28.0	28.2	28.4	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.9	28.9
GE 20000	33.7	33.7	33.9	34.1	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.8	34.8
GE 18000	33.8	33.8	34.0	34.2	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.9	34.9
GE 16000	34.0	34.0	34.2	34.4	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	35.2	35.2
GE 14000	36.2	36.2	36.5	36.7	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.4	37.4
GE 12000	38.9	38.9	39.1	39.4	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.1	40.1
GE 10000	41.4	41.4	41.6	41.8	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.6	42.6
GE 9000	43.0	43.0	43.2	43.4	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.2	44.2
GE 8000	44.6	44.6	44.8	45.1	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.8	45.8
GE 7000	47.7	47.7	48.0	48.2	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.9	48.9
GE 6000	51.0	51.0	51.3	51.5	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.3	52.3
GE 5000	55.7	55.9	56.2	56.6	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.3	57.3
GE 4500	59.0	59.2	59.7	60.0	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.9	60.9
GE 4000	66.9	67.2	67.8	68.2	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.0	69.0
GE 3500	70.6	71.0	71.8	72.4	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3
GE 3000	76.7	77.2	78.2	79.0	79.5	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1
GE 2500	79.9	80.8	81.8	82.8	83.2	83.4	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.9	84.0
GE 2000	83.4	84.6	85.8	87.1	87.5	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.2	88.3
GE 1800	84.4	85.7	86.9	88.3	88.7	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.4	89.5
GE 1500	87.2	89.2	90.5	92.0	92.6	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.7	93.8
GE 1200	88.8	91.0	92.8	94.4	94.9	95.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.2
GE 1000	89.1	91.3	93.2	94.8	95.4	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.6	96.7
GE 900	89.1	91.3	93.2	94.8	95.5	96.0	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.7	96.8
GE 800	89.4	91.5	93.4	95.1	95.8	96.3	96.8	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.2	97.3
GE 700	89.5	91.6	93.5	95.2	96.0	96.8	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.6	97.7
GE 600	89.5	91.6	93.5	95.3	96.1	96.9	97.4	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.8	98.0
GE 500	89.5	91.6	93.5	95.3	96.1	97.1	97.6	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.2	98.3
GE 400	89.5	91.7	93.8	95.5	96.3	97.3	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.5	98.6
GE 300	89.5	91.7	93.8	95.5	96.3	97.3	98.0	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.9	99.0
GE 200	89.5	91.7	93.8	95.5	96.3	97.3	98.0	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.9	99.4
GE 100	89.5	91.7	93.8	95.5	96.3	97.3	98.0	98.3	98.3	98.4	98.4	98.4	98.5	98.5	99.2	99.9
GE 000	89.5	91.7	93.8	95.5	96.3	97.3	98.0	98.3	98.3	98.4	98.4	98.4	98.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	29.1	29.6	29.7	30.0	30.2	30.2	30.2	30.2	30.3	30.4	30.4	30.4	30.4	30.4	30.8	31.5
GE 20000	32.4	32.8	32.9	33.2	33.4	33.4	33.5	33.5	33.7	33.8	33.8	33.8	33.8	33.8	34.1	34.8
GE 18000	32.4	32.8	32.9	33.2	33.4	33.4	33.5	33.5	33.7	33.8	33.8	33.8	33.8	33.8	34.1	34.8
GE 16000	32.5	32.9	33.0	33.3	33.5	33.5	33.7	33.7	33.8	33.9	33.9	33.9	33.9	33.9	34.2	34.9
GE 14000	34.8	35.3	35.5	35.8	36.0	36.0	36.1	36.1	36.2	36.3	36.3	36.3	36.3	36.3	36.7	37.4
GE 12000	36.7	37.1	37.4	37.7	38.2	38.2	38.3	38.3	38.4	38.5	38.5	38.5	38.5	38.5	38.8	39.6
GE 10000	39.1	39.6	39.9	40.2	40.6	40.6	40.8	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.3	42.0
GE 9000	41.0	41.4	41.7	42.0	42.5	42.5	42.6	42.6	42.7	42.8	42.8	42.8	42.8	42.8	43.1	43.9
GE 8000	41.9	42.4	42.7	43.0	43.4	43.4	43.5	43.5	43.7	43.8	43.8	43.8	43.8	43.8	44.1	44.8
GE 7000	44.2	44.6	44.9	45.3	45.7	45.7	45.8	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.3	47.1
GE 6000	47.7	48.3	48.6	48.9	49.4	49.4	49.5	49.5	49.6	49.7	49.7	49.7	49.7	49.7	50.0	50.8
GE 5000	52.3	52.8	53.1	53.4	53.9	53.9	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.5	55.3
GE 4500	55.3	56.0	56.5	56.8	57.2	57.2	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.8	58.6
GE 4000	63.8	64.7	65.3	65.8	66.2	66.2	66.3	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.9	67.6
GE 3500	65.9	66.9	67.6	68.2	68.6	68.6	68.7	68.7	68.8	68.9	68.9	68.9	68.9	68.9	69.2	70.0
GE 3000	72.0	73.2	74.1	74.7	75.2	75.4	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	76.2	77.0
GE 2500	75.4	76.8	77.6	78.5	78.9	79.1	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.7	80.0	80.8
GE 2000	78.7	80.3	81.5	82.4	82.8	83.0	83.4	83.4	83.5	83.7	83.7	83.7	83.7	83.7	84.0	84.7
GE 1800	79.9	81.6	82.8	83.9	84.3	84.5	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.6	86.3
GE 1500	82.7	84.8	86.2	87.6	88.1	88.3	89.0	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.6	90.3
GE 1200	83.5	85.8	87.8	89.6	90.0	90.2	91.0	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.6	92.4
GE 1000	84.1	86.5	88.5	90.5	91.1	91.4	92.2	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.9	93.7
GE 900	84.2	86.6	88.7	90.8	91.5	91.8	92.8	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.5	94.3
GE 800	84.3	86.7	88.8	91.0	91.8	92.3	93.2	93.3	93.5	93.7	93.7	93.7	93.8	93.8	94.1	94.8
GE 700	84.7	87.4	89.6	91.7	92.7	93.1	94.1	94.2	94.4	94.5	94.5	94.5	94.6	94.6	94.9	95.7
GE 600	84.7	87.4	89.6	91.7	92.7	93.1	94.3	94.4	94.6	94.7	94.7	94.7	94.8	94.8	95.3	96.1
GE 500	84.7	87.4	89.6	91.7	92.8	93.2	94.4	94.5	94.9	95.2	95.2	95.2	95.3	95.3	95.7	96.6
GE 400	84.7	87.4	89.7	91.8	92.9	93.4	94.7	94.8	95.3	95.5	95.7	95.7	95.8	95.8	96.2	97.1
GE 300	84.7	87.4	89.9	92.2	93.3	94.0	95.4	95.6	96.0	96.3	96.6	96.6	96.8	96.8	97.2	98.1
GE 200	84.7	87.4	89.9	92.2	93.3	94.0	95.4	95.9	96.3	96.9	97.1	97.1	97.5	97.5	98.0	99.2
GE 100	84.7	87.4	89.9	92.2	93.3	94.0	95.4	95.9	96.3	96.9	97.1	97.1	97.6	97.6	98.1	100.1
GE 000	84.7	87.4	89.9	92.2	93.3	94.0	95.4	95.9	96.3	96.9	97.1	97.1	97.7	97.7	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	24.0	24.3	24.6	24.9	25.2	25.3	25.4	25.5	25.5	25.6	25.7	25.7	25.8	25.8	26.1	26.8
GE 20000	29.0	29.3	29.6	29.9	30.4	30.6	30.7	30.9	30.9	31.0	31.1	31.1	31.2	31.2	31.6	32.3
GE 18000	29.2	29.5	29.7	30.1	30.6	30.7	30.9	31.0	31.1	31.2	31.3	31.3	31.3	31.4	31.8	32.5
GE 16000	29.4	29.7	30.0	30.4	30.8	31.0	31.2	31.3	31.3	31.5	31.5	31.5	31.6	31.6	32.0	32.7
GE 14000	31.4	31.7	32.0	32.4	32.8	33.0	33.2	33.3	33.3	33.5	33.5	33.5	33.6	33.6	34.1	34.8
GE 12000	33.6	34.0	34.3	34.7	35.3	35.4	35.6	35.7	35.8	35.9	36.0	36.0	36.1	36.1	36.5	37.2
GE 10000	36.6	36.9	37.3	37.7	38.2	38.4	38.6	38.7	38.8	38.9	39.0	39.0	39.1	39.1	39.5	40.3
GE 9000	38.3	38.6	39.0	39.4	39.9	40.1	40.3	40.4	40.5	40.6	40.7	40.7	40.8	40.8	41.2	41.9
GE 8000	39.8	40.1	40.5	40.9	41.5	41.6	41.8	42.0	42.0	42.2	42.2	42.2	42.3	42.4	42.8	43.5
GE 7000	42.4	42.8	43.1	43.6	44.2	44.3	44.5	44.7	44.7	44.9	45.0	45.0	45.1	45.1	45.5	46.3
GE 6000	45.9	46.4	46.7	47.2	47.8	48.0	48.2	48.3	48.3	48.5	48.6	48.6	48.7	48.7	49.2	49.9
GE 5000	50.2	50.7	51.1	51.7	52.2	52.4	52.6	52.8	52.8	53.0	53.1	53.1	53.2	53.2	53.7	54.4
GE 4500	54.0	54.6	55.1	55.6	56.3	56.4	56.7	56.9	56.9	57.1	57.1	57.1	57.2	57.3	57.7	58.5
GE 4000	61.1	61.9	62.5	63.2	63.8	64.0	64.2	64.4	64.5	64.7	64.7	64.7	64.8	64.9	65.3	66.0
GE 3500	64.1	64.9	65.7	66.5	67.1	67.4	67.6	67.8	67.9	68.1	68.1	68.1	68.3	68.3	68.8	69.5
GE 3000	70.0	71.0	71.9	72.9	73.6	73.9	74.2	74.5	74.5	74.7	74.8	74.8	74.9	74.9	75.4	76.1
GE 2500	72.5	73.7	74.9	76.0	76.8	77.1	77.4	77.6	77.7	77.9	78.0	78.0	78.1	78.1	78.6	79.3
GE 2000	75.2	76.6	77.9	79.2	80.0	80.3	80.7	80.9	81.0	81.2	81.3	81.3	81.4	81.5	81.9	82.7
GE 1800	76.2	77.7	79.1	80.4	81.3	81.6	82.0	82.2	82.3	82.6	82.6	82.6	82.8	82.8	83.3	84.0
GE 1500	79.2	81.1	82.6	84.3	85.3	85.7	86.1	86.4	86.5	86.7	86.8	86.8	87.0	87.0	87.5	88.2
GE 1200	80.7	82.8	84.7	86.5	87.8	88.2	88.7	89.0	89.1	89.4	89.5	89.5	89.6	89.6	90.1	90.8
GE 1000	81.4	83.6	85.6	87.6	89.0	89.4	90.0	90.3	90.3	90.6	90.8	90.8	90.9	90.9	91.4	92.1
GE 900	81.7	83.9	86.0	88.1	89.6	90.1	90.7	91.0	91.0	91.3	91.5	91.5	91.6	91.6	92.1	92.8
GE 800	81.8	84.1	86.2	88.4	90.0	90.5	91.2	91.6	91.6	92.0	92.1	92.1	92.2	92.3	92.7	93.5
GE 700	82.0	84.3	86.6	88.8	90.5	91.0	91.9	92.2	92.3	92.7	92.8	92.8	92.9	93.0	93.5	94.2
GE 600	82.0	84.4	86.6	88.9	90.7	91.2	92.1	92.5	92.6	93.0	93.1	93.1	93.3	93.3	93.8	94.6
GE 500	82.0	84.4	86.7	89.0	91.0	91.6	92.6	93.1	93.2	93.7	93.8	93.8	94.0	94.1	94.6	95.4
GE 400	82.1	84.5	86.8	89.2	91.3	91.9	93.0	93.5	93.7	94.3	94.5	94.5	94.7	94.8	95.4	96.2
GE 300	82.1	84.5	86.9	89.2	91.4	92.1	93.3	94.0	94.2	94.9	95.3	95.3	95.7	95.7	96.5	97.4
GE 200	82.1	84.5	86.9	89.2	91.4	92.1	93.3	94.2	94.4	95.2	95.6	95.6	96.2	96.2	97.3	98.5
GE 100	82.1	84.5	86.9	89.2	91.4	92.1	93.3	94.2	94.4	95.2	95.6	95.6	96.3	96.4	97.5	99.7
GE 000	82.1	84.5	86.9	89.2	91.4	92.1	93.3	94.2	94.4	95.2	95.6	95.6	96.3	96.4	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.7	28.0	29.0	29.6	29.7	29.7	29.9	29.9	29.9	30.0	30.1	30.1	30.4	30.5	30.7	31.2
GE 20000	31.1	31.4	32.4	33.0	33.1	33.1	33.3	33.3	33.3	33.5	33.6	33.6	33.8	33.9	34.2	34.6
GE 18000	31.3	31.7	32.6	33.2	33.3	33.3	33.6	33.6	33.6	33.7	33.8	33.8	34.0	34.2	34.4	34.9
GE 16000	31.4	31.8	32.7	33.3	33.5	33.5	33.7	33.7	33.7	33.8	33.9	33.9	34.2	34.3	34.5	35.0
GE 14000	32.5	32.9	33.8	34.4	34.5	34.5	34.8	34.8	34.8	34.9	35.0	35.0	35.2	35.3	35.6	36.1
GE 12000	34.4	34.8	35.7	36.3	36.4	36.4	36.6	36.6	36.6	36.8	36.9	36.9	37.1	37.2	37.5	37.9
GE 10000	36.8	37.1	38.1	38.7	38.8	38.8	39.0	39.0	39.0	39.1	39.2	39.2	39.5	39.6	39.8	40.3
GE 9000	38.4	38.8	39.7	40.3	40.4	40.4	40.7	40.7	40.7	40.8	40.9	40.9	41.1	41.3	41.5	42.0
GE 8000	40.3	40.7	41.6	42.2	42.3	42.3	42.6	42.6	42.6	42.7	42.8	42.8	43.0	43.1	43.4	43.9
GE 7000	42.4	42.8	43.7	44.3	44.4	44.4	44.7	44.7	44.7	44.8	44.9	44.9	45.2	45.3	45.5	46.0
GE 6000	45.7	46.2	47.2	47.9	48.0	48.0	48.2	48.2	48.2	48.3	48.5	48.5	48.7	48.8	49.1	49.5
GE 5000	50.9	51.4	52.5	53.2	53.3	53.4	53.8	53.8	53.8	53.9	54.0	54.0	54.3	54.4	54.6	55.1
GE 4500	56.5	57.0	58.2	58.9	59.0	59.1	59.5	59.5	59.5	59.6	59.7	59.7	59.9	60.0	60.3	60.8
GE 4000	64.1	64.7	65.8	66.7	66.8	66.9	67.3	67.3	67.3	67.4	67.5	67.5	67.7	67.8	68.1	68.6
GE 3500	67.7	68.6	69.9	70.8	70.9	71.0	71.4	71.4	71.4	71.5	71.6	71.6	71.9	72.0	72.3	72.8
GE 3000	73.0	74.2	75.8	76.8	77.0	77.1	77.4	77.4	77.4	77.5	77.7	77.7	77.9	78.0	78.4	78.8
GE 2500	75.3	76.5	78.4	79.4	79.6	79.7	80.3	80.3	80.3	80.4	80.5	80.5	80.7	80.9	81.2	81.7
GE 2000	78.5	79.8	81.7	82.7	82.9	83.0	83.6	83.6	83.6	83.7	83.8	83.8	84.0	84.2	84.5	85.0
GE 1800	79.9	81.2	83.1	84.2	84.4	84.5	85.1	85.1	85.1	85.2	85.3	85.3	85.6	85.7	86.1	86.5
GE 1500	81.7	83.2	85.2	86.5	86.8	86.9	87.6	87.6	87.6	87.7	87.8	87.8	88.1	88.2	88.5	89.0
GE 1200	85.2	86.9	89.2	90.5	90.9	91.4	92.1	92.2	92.2	92.3	92.4	92.4	92.7	92.8	93.1	93.6
GE 1000	85.6	87.4	89.7	91.0	91.4	91.8	92.6	92.7	92.7	92.8	92.9	92.9	93.1	93.3	93.6	94.1
GE 900	86.3	88.1	90.5	91.8	92.2	92.7	93.4	93.5	93.5	93.6	93.7	93.7	94.0	94.1	94.4	94.9
GE 800	86.3	88.1	90.7	92.0	92.3	92.8	93.5	93.6	93.6	93.9	94.0	94.0	94.2	94.3	94.7	95.2
GE 700	86.3	88.2	90.8	92.1	92.4	92.9	93.6	93.9	93.9	94.1	94.2	94.2	94.4	94.6	94.9	95.4
GE 600	86.3	88.2	90.8	92.1	92.4	93.0	93.7	94.0	94.0	94.2	94.3	94.3	94.6	94.7	95.0	95.5
GE 500	86.3	88.2	90.8	92.1	92.4	93.0	93.7	94.3	94.3	94.6	94.7	94.7	94.9	95.0	95.5	96.0
GE 400	86.3	88.2	90.8	92.1	92.4	93.0	93.7	94.7	94.7	95.0	95.2	95.2	95.4	95.5	96.0	96.5
GE 300	86.3	88.2	90.8	92.1	92.4	93.0	93.7	94.8	94.8	95.4	95.7	95.7	96.1	96.2	96.9	97.4
GE 200	86.3	88.2	90.8	92.1	92.4	93.0	93.7	94.8	94.8	95.5	95.9	95.9	96.3	96.5	97.2	98.0
GE 100	86.3	88.2	90.8	92.1	92.4	93.0	93.7	94.8	94.8	95.5	96.1	96.1	96.7	96.9	97.9	99.8
GE 000	86.3	88.2	90.8	92.1	92.4	93.0	93.7	94.8	94.8	95.5	96.1	96.1	96.7	96.9	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.7	22.1	22.3	22.7	23.4	23.5	23.5	23.6	23.6	23.9	24.0	24.0	24.3	24.3	24.8	25.5
GE 20000	24.9	25.4	25.7	26.1	27.0	27.1	27.1	27.3	27.3	27.5	27.7	27.7	28.1	28.1	28.6	29.3
GE 18000	25.4	25.9	26.1	26.6	27.4	27.5	27.5	27.8	27.8	28.0	28.1	28.1	28.6	28.6	29.1	29.8
GE 16000	25.4	25.9	26.1	26.6	27.4	27.5	27.5	27.8	27.8	28.0	28.1	28.1	28.6	28.6	29.1	29.8
GE 14000	26.5	27.0	27.2	27.7	28.5	28.6	28.6	28.8	28.8	29.1	29.2	29.2	29.7	29.7	30.1	30.9
GE 12000	27.3	27.8	28.0	28.5	29.3	29.4	29.4	29.7	29.7	29.9	30.0	30.0	30.5	30.5	31.0	31.7
GE 10000	30.0	30.5	30.7	31.2	32.0	32.2	32.2	32.4	32.4	32.6	32.7	32.7	33.2	33.2	33.7	34.4
GE 9000	31.6	32.0	32.3	32.7	33.6	33.7	33.7	33.9	33.9	34.2	34.3	34.3	34.8	34.8	35.2	35.9
GE 8000	32.3	32.7	33.0	33.5	34.3	34.4	34.4	34.6	34.6	34.9	35.0	35.0	35.5	35.5	35.9	36.6
GE 7000	34.5	35.0	35.2	35.7	36.6	36.8	36.8	37.0	37.0	37.2	37.4	37.4	37.8	37.8	38.3	39.0
GE 6000	38.2	38.7	38.9	39.4	40.3	40.4	40.5	40.8	40.8	41.0	41.1	41.1	41.6	41.6	42.1	42.8
GE 5000	44.6	45.0	45.3	45.7	46.8	46.9	47.0	47.3	47.3	47.5	47.6	47.6	48.1	48.1	48.8	49.5
GE 4500	48.3	48.9	49.2	49.6	50.7	50.8	50.9	51.2	51.2	51.4	51.5	51.5	52.0	52.0	52.7	53.4
GE 4000	57.1	57.9	58.2	58.6	59.8	59.9	60.0	60.3	60.3	60.6	60.8	60.8	61.3	61.3	62.1	62.8
GE 3500	60.8	61.8	62.2	62.6	63.8	63.9	64.1	64.3	64.3	64.7	64.8	64.8	65.4	65.4	66.1	66.8
GE 3000	65.5	66.9	67.4	68.1	69.4	69.5	69.6	69.9	69.9	70.2	70.3	70.3	70.9	70.9	71.6	72.5
GE 2500	68.7	70.2	71.0	71.9	73.2	73.4	73.6	73.9	73.9	74.2	74.3	74.3	74.9	74.9	75.7	76.5
GE 2000	71.7	73.6	74.6	75.4	76.7	77.0	77.2	77.4	77.4	77.8	77.9	77.9	78.5	78.5	79.2	80.0
GE 1800	73.3	75.2	76.2	77.1	78.4	78.6	78.8	79.1	79.1	79.4	79.6	79.6	80.1	80.1	80.9	81.7
GE 1500	76.1	78.5	79.9	81.0	82.4	82.6	83.0	83.2	83.2	83.6	83.7	83.7	84.3	84.3	85.0	85.8
GE 1200	79.3	81.8	83.2	84.3	85.9	86.2	86.5	86.8	86.8	87.1	87.2	87.2	87.8	87.8	88.5	89.4
GE 1000	79.8	82.5	83.9	85.0	87.1	87.4	87.8	88.1	88.1	88.4	88.5	88.5	89.1	89.1	89.8	90.7
GE 900	80.3	83.0	84.5	85.7	87.8	88.1	88.5	88.8	88.8	89.1	89.2	89.2	89.8	89.8	90.5	91.4
GE 800	80.3	83.0	84.5	85.7	87.8	88.1	88.5	88.8	88.8	89.4	89.7	89.7	90.3	90.3	91.0	92.0
GE 700	80.4	83.3	85.0	86.2	88.3	88.5	89.1	89.4	89.5	90.1	90.7	90.7	91.3	91.3	92.0	92.9
GE 600	80.4	83.5	85.1	86.3	88.4	88.7	89.4	89.6	89.7	90.3	90.9	90.9	91.5	91.5	92.2	93.5
GE 500	80.4	83.5	85.3	86.5	88.7	88.9	89.6	90.0	90.1	90.7	91.4	91.4	92.1	92.1	92.9	94.2
GE 400	80.4	83.5	85.3	86.5	88.9	89.1	89.8	90.2	90.3	90.9	91.6	91.6	92.4	92.4	93.3	94.7
GE 300	80.6	83.7	85.6	86.8	89.1	89.4	90.1	90.4	90.5	91.1	91.8	91.8	92.7	92.7	93.6	95.0
GE 200	80.6	83.7	85.6	86.8	89.1	89.4	90.1	90.4	90.5	91.1	92.0	92.0	93.0	93.0	94.1	95.9
GE 100	80.6	83.7	85.6	86.8	89.1	89.4	90.1	90.4	90.5	91.1	92.2	92.2	93.4	93.5	94.7	99.3
GE 000	80.6	83.7	85.6	86.8	89.1	89.4	90.1	90.4	90.5	91.1	92.2	92.2	93.4	93.5	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.4	20.4	20.7	21.3	21.5	21.5	21.6	21.6	21.6	21.9	21.9	21.9	22.6	22.6	23.2	24.7
GE 20000	23.4	23.4	23.6	24.5	24.8	24.8	24.9	24.9	24.9	25.3	25.3	25.3	26.0	26.0	26.8	28.7
GE 18000	23.6	23.6	23.9	24.7	25.1	25.1	25.2	25.2	25.2	25.5	25.5	25.5	26.2	26.2	27.1	29.0
GE 16000	24.2	24.2	24.5	25.3	25.7	25.7	25.8	25.8	25.8	26.1	26.1	26.1	26.8	26.8	27.7	29.6
GE 14000	25.4	25.4	25.8	26.6	27.0	27.0	27.1	27.1	27.1	27.4	27.4	27.4	28.1	28.1	29.0	30.9
GE 12000	27.2	27.2	27.5	28.4	28.7	28.7	28.8	28.8	28.8	29.2	29.2	29.2	30.0	30.0	30.9	32.7
GE 10000	29.7	29.7	30.0	30.9	31.2	31.2	31.3	31.3	31.3	31.7	31.7	31.7	32.5	32.5	33.3	35.2
GE 9000	31.3	31.3	31.7	32.5	32.9	32.9	33.0	33.0	33.0	33.3	33.3	33.3	34.2	34.2	35.0	36.9
GE 8000	32.9	32.9	33.2	34.0	34.4	34.4	34.5	34.5	34.5	34.9	34.9	34.9	35.7	35.7	36.5	38.4
GE 7000	34.6	34.6	35.0	35.8	36.2	36.2	36.3	36.3	36.3	36.6	36.6	36.6	37.5	37.5	38.3	40.2
GE 6000	37.5	37.5	37.9	38.8	39.1	39.1	39.4	39.4	39.4	39.7	39.7	39.7	40.8	40.8	41.6	43.5
GE 5000	42.4	42.6	43.3	44.1	44.4	44.4	44.7	44.7	44.7	45.0	45.0	45.0	46.2	46.2	47.0	49.1
GE 4500	45.2	45.3	46.0	47.0	47.4	47.4	47.6	47.6	47.6	48.0	48.0	48.0	49.3	49.3	50.1	52.1
GE 4000	53.1	53.3	54.1	55.3	55.7	55.7	56.0	56.0	56.0	56.4	56.5	56.5	57.8	57.8	58.6	60.9
GE 3500	57.4	57.7	58.6	59.9	60.3	60.3	60.6	60.6	60.6	61.1	61.2	61.2	62.5	62.5	63.4	65.6
GE 3000	64.3	64.8	65.7	67.1	67.5	67.5	67.8	67.8	67.8	68.3	68.4	68.4	69.7	69.7	70.6	72.8
GE 2500	67.5	68.1	69.0	70.6	70.9	70.9	71.4	71.4	71.4	71.9	72.0	72.0	73.3	73.3	74.1	76.4
GE 2000	70.4	71.3	72.3	74.0	74.6	74.6	75.1	75.1	75.1	75.5	75.7	75.7	77.0	77.0	77.8	80.0
GE 1800	71.6	72.7	74.0	75.7	76.2	76.2	76.8	76.8	76.8	77.3	77.4	77.4	78.7	78.7	79.6	81.8
GE 1500	74.0	75.5	77.0	78.6	79.3	79.3	79.9	79.9	79.9	80.4	80.5	80.5	81.8	81.8	82.6	84.9
GE 1200	76.4	78.1	79.6	81.3	82.3	82.3	83.1	83.2	83.2	83.7	83.8	83.8	85.1	85.1	85.9	88.2
GE 1000	76.7	78.7	80.1	81.9	83.1	83.1	84.0	84.4	84.4	84.9	85.0	85.0	86.3	86.3	87.1	89.4
GE 900	76.7	78.8	80.3	82.2	83.3	83.3	84.4	84.9	84.9	85.3	85.5	85.5	86.8	86.8	87.6	89.8
GE 800	76.8	79.0	80.5	82.4	83.7	83.7	85.0	85.7	85.7	86.2	86.3	86.3	87.6	87.6	88.4	90.7
GE 700	77.2	79.3	80.9	82.7	84.0	84.0	85.3	86.1	86.1	86.5	86.6	86.6	87.9	87.9	88.8	91.0
GE 600	77.2	79.4	81.0	83.0	84.5	84.5	85.9	86.6	86.6	87.1	87.2	87.2	88.5	88.5	89.4	91.6
GE 500	77.2	79.4	81.0	83.0	84.6	84.6	86.5	87.5	87.6	88.1	88.2	88.2	89.6	89.6	90.4	92.7
GE 400	77.3	79.6	81.1	83.1	84.8	84.8	86.9	87.8	88.1	88.5	88.7	88.7	90.2	90.2	91.0	93.3
GE 300	77.4	79.7	81.2	83.2	85.1	85.1	87.2	88.4	88.8	89.5	89.6	89.6	91.5	91.5	92.8	95.3
GE 200	77.4	79.7	81.2	83.2	85.1	85.1	87.2	88.4	88.8	89.7	90.0	90.0	92.1	92.1	94.0	96.7
GE 100	77.4	79.7	81.2	83.3	85.3	85.3	87.5	88.7	89.1	90.1	90.3	90.3	92.6	92.6	95.2	99.5
GE 000	77.4	79.7	81.2	83.3	85.3	85.3	87.5	88.7	89.1	90.1	90.3	90.3	92.6	92.6	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 846

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	22.9	23.2	23.4	23.8	24.1	24.1	24.3	24.6	24.6	24.7	24.8	24.8	24.8	24.8	24.9	25.3
GE 20000	26.4	26.6	26.8	27.4	28.0	28.0	28.4	28.6	28.6	28.8	29.0	29.0	29.0	29.0	29.1	29.6
GE 18000	26.5	26.7	27.0	27.5	28.1	28.1	28.5	28.7	28.7	29.0	29.1	29.1	29.1	29.1	29.2	29.7
GE 16000	26.8	27.1	27.3	27.9	28.6	28.6	29.0	29.2	29.2	29.4	29.6	29.6	29.6	29.6	29.7	30.1
GE 14000	28.7	29.0	29.2	29.8	30.6	30.6	31.0	31.2	31.2	31.4	31.6	31.6	31.6	31.6	31.7	32.2
GE 12000	30.3	30.5	30.7	31.3	32.2	32.2	32.5	32.7	32.7	33.0	33.1	33.1	33.1	33.1	33.2	33.7
GE 10000	32.9	33.1	33.3	33.9	34.8	34.8	35.1	35.3	35.3	35.6	35.7	35.7	35.7	35.7	35.8	36.3
GE 9000	34.9	35.1	35.3	35.9	36.8	36.8	37.1	37.4	37.4	37.7	37.8	37.8	37.8	37.8	37.9	38.4
GE 8000	36.3	36.5	36.8	37.4	38.2	38.2	38.5	38.8	38.8	39.1	39.2	39.2	39.2	39.2	39.4	39.8
GE 7000	38.2	38.4	38.7	39.4	40.2	40.2	40.5	40.8	40.8	41.1	41.3	41.3	41.3	41.3	41.4	41.8
GE 6000	41.6	42.0	42.2	42.9	43.7	43.7	44.1	44.3	44.3	44.8	44.9	44.9	44.9	44.9	45.2	45.6
GE 5000	46.0	46.3	46.6	47.3	48.3	48.3	48.7	48.9	48.9	49.4	49.5	49.5	49.5	49.5	49.8	50.2
GE 4500	49.2	49.5	49.9	50.7	51.8	51.8	52.1	52.4	52.4	52.8	53.0	53.0	53.0	53.0	53.2	53.7
GE 4000	54.8	55.4	55.9	56.7	57.8	57.8	58.3	58.7	58.7	59.3	59.5	59.5	59.5	59.5	59.7	60.2
GE 3500	58.6	59.2	59.7	60.5	61.7	61.7	62.2	62.6	62.6	63.4	63.5	63.5	63.6	63.6	63.8	64.3
GE 3000	64.8	65.4	66.0	66.9	68.1	68.1	68.6	69.0	69.0	69.9	70.0	70.0	70.1	70.1	70.3	70.8
GE 2500	67.5	68.2	68.8	69.9	71.0	71.0	71.5	72.0	72.1	72.9	73.0	73.0	73.2	73.2	73.4	73.9
GE 2000	69.9	70.8	71.6	72.7	73.9	73.9	74.5	74.9	75.1	75.9	76.0	76.0	76.1	76.1	76.4	76.8
GE 1800	71.0	72.1	73.3	74.5	75.8	75.9	76.6	77.2	77.3	78.1	78.3	78.3	78.4	78.4	78.6	79.2
GE 1500	73.2	75.1	76.4	77.8	79.2	79.3	80.4	81.1	81.2	82.0	82.2	82.2	82.3	82.3	82.5	83.1
GE 1200	76.1	78.5	80.6	82.4	83.8	83.9	85.0	85.9	86.1	86.9	87.0	87.0	87.1	87.1	87.4	87.9
GE 1000	76.4	79.2	82.0	83.8	85.3	85.7	86.9	88.1	88.2	89.0	89.1	89.1	89.2	89.2	89.5	90.1
GE 900	77.0	80.0	82.9	85.0	86.8	87.1	88.3	89.5	89.6	90.4	90.5	90.5	90.7	90.7	90.9	91.5
GE 800	77.1	80.3	83.5	85.7	87.7	88.1	89.4	90.5	90.7	91.5	91.6	91.6	91.7	91.7	92.0	92.6
GE 700	77.1	80.3	83.5	85.7	87.7	88.1	89.6	90.8	90.9	91.8	92.0	92.0	92.1	92.1	92.3	92.9
GE 600	77.1	80.3	83.6	85.8	87.8	88.3	90.0	91.1	91.3	92.2	92.3	92.3	92.4	92.4	92.7	93.3
GE 500	77.1	80.3	83.6	85.8	87.8	88.3	90.3	91.7	92.0	93.1	93.4	93.4	93.6	93.6	94.0	94.6
GE 400	77.1	80.3	83.6	85.8	87.8	88.4	90.7	92.4	93.0	94.2	94.7	94.7	94.9	94.9	95.3	95.9
GE 300	77.1	80.3	83.6	85.8	87.8	88.5	90.8	92.7	93.3	94.9	95.4	95.4	95.7	95.7	96.2	97.2
GE 200	77.1	80.3	83.6	85.8	87.8	88.5	90.8	92.7	93.3	95.0	95.5	95.5	96.0	96.0	96.6	97.6
GE 100	77.1	80.3	83.6	85.8	87.8	88.5	90.8	92.8	93.4	95.2	95.6	95.6	96.1	96.1	97.5	99.8
GE 000	77.1	80.3	83.6	85.8	87.8	88.5	90.8	92.8	93.4	95.2	95.6	95.6	96.1	96.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.9	26.1	26.4	26.7	27.1	27.1	27.2	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3
GE 20000	31.7	32.2	32.4	32.9	33.6	33.6	33.7	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 18000	32.2	32.6	32.9	33.3	34.0	34.0	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3
GE 16000	32.5	33.0	33.2	33.7	34.4	34.4	34.5	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 14000	34.4	34.9	35.1	35.6	36.3	36.3	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 12000	36.9	37.4	37.6	38.1	38.9	38.9	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 10000	39.6	40.1	40.3	40.8	41.7	41.7	41.8	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 9000	41.1	41.6	41.8	42.3	43.3	43.3	43.4	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 8000	42.4	42.9	43.1	43.6	44.6	44.6	44.7	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 7000	44.2	44.7	44.9	45.4	46.3	46.3	46.5	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 6000	48.1	48.6	48.8	49.3	50.2	50.2	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 5000	53.7	54.3	54.5	55.1	56.0	56.0	56.1	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 4500	56.1	56.7	57.0	57.6	58.5	58.5	58.6	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 4000	62.2	62.9	63.4	63.9	64.9	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 3500	66.5	67.3	67.8	68.4	69.4	69.4	69.5	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.9
GE 3000	73.5	74.5	75.2	75.8	76.8	77.0	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.4
GE 2500	76.4	77.4	78.4	79.0	80.1	80.4	80.5	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.9
GE 2000	79.0	80.1	81.4	82.0	83.3	83.7	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.4	84.5
GE 1800	80.6	82.3	83.6	84.3	85.8	86.2	86.6	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.2	87.4
GE 1500	83.0	85.1	86.9	87.7	89.2	89.8	90.4	90.8	90.8	90.9	90.9	90.9	90.9	90.9	91.0	91.1
GE 1200	85.8	88.3	90.3	91.6	93.1	93.9	94.4	94.8	94.8	94.9	94.9	94.9	94.9	94.9	95.0	95.2
GE 1000	86.1	88.7	90.8	92.2	94.0	94.8	95.5	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.2	96.3
GE 900	86.2	88.9	91.1	92.7	94.4	95.3	96.3	96.7	96.7	96.9	96.9	96.9	96.9	96.9	97.0	97.2
GE 800	86.2	88.9	91.3	92.9	94.7	95.5	96.8	97.2	97.2	97.4	97.5	97.5	97.5	97.5	97.6	97.8
GE 700	86.2	88.9	91.3	92.9	95.0	95.9	97.3	97.6	97.6	97.9	98.0	98.0	98.0	98.0	98.1	98.2
GE 600	86.2	88.9	91.4	93.0	95.2	96.1	97.5	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.3	98.5
GE 500	86.2	88.9	91.4	93.0	95.2	96.1	97.5	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.5	98.6
GE 400	86.2	88.9	91.4	93.0	95.3	96.2	97.9	98.3	98.3	98.7	98.8	98.8	98.8	98.9	99.1	99.2
GE 300	86.2	88.9	91.4	93.0	95.3	96.3	98.0	98.6	98.6	99.2	99.3	99.3	99.3	99.4	99.6	99.8
GE 200	86.2	88.9	91.4	93.0	95.3	96.3	98.0	98.6	98.6	99.2	99.3	99.3	99.3	99.4	99.8	99.9
GE 100	86.2	88.9	91.4	93.0	95.3	96.3	98.0	98.6	98.6	99.2	99.3	99.3	99.3	99.4	99.8	100.0
GE 000	86.2	88.9	91.4	93.0	95.3	96.3	98.0	98.6	98.6	99.2	99.3	99.3	99.3	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.5	30.6	30.7	31.4	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 20000	38.4	38.5	38.7	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 18000	38.9	39.0	39.1	39.8	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 16000	39.4	39.5	39.6	40.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
GE 14000	41.0	41.1	41.3	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 12000	43.7	43.9	44.0	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 10000	46.9	47.0	47.2	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 9000	48.2	48.3	48.5	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 8000	48.9	49.1	49.2	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 7000	50.9	51.1	51.2	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 6000	54.8	55.1	55.2	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 5000	59.0	59.5	59.6	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 4500	63.8	64.4	64.5	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 4000	70.6	71.3	71.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 3500	73.4	74.3	74.7	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 3000	81.7	82.9	83.3	84.6	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 2500	83.2	84.5	85.0	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000	85.7	87.1	88.1	89.5	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1800	86.5	88.2	89.1	90.5	91.5	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1500	87.8	90.0	91.3	92.9	94.4	94.6	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	89.1	91.4	92.0	94.0	96.7	96.9	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	89.6	91.8	93.4	95.5	97.6	98.1	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	89.6	91.8	93.4	95.5	97.8	98.2	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	89.6	91.8	93.4	95.6	97.9	98.3	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	89.6	91.8	93.4	95.9	98.1	98.6	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	89.6	91.8	93.4	95.9	98.2	98.7	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	89.6	91.8	93.4	96.0	98.3	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.6	91.8	93.4	96.0	98.3	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.6	91.8	93.4	96.0	98.3	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.6	91.8	93.4	96.0	98.3	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.6	91.8	93.4	96.0	98.3	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.6	91.8	93.4	96.0	98.3	98.8	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	33.6	34.0	34.0	34.3	34.3	34.3	34.3	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.5
GE 20000	38.9	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.8
GE 18000	38.9	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.8
GE 16000	39.2	39.7	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.2
GE 14000	39.8	40.3	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.8
GE 12000	42.0	42.4	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.9
GE 10000	46.1	46.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	47.0
GE 9000	48.2	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.2
GE 8000	48.9	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.9
GE 7000	53.2	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.1
GE 6000	57.0	57.4	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9
GE 5000	63.0	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	64.1
GE 4500	68.1	68.7	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.3
GE 4000	73.5	74.2	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8
GE 3500	77.9	78.6	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.3
GE 3000	82.7	83.6	83.9	84.6	84.6	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	85.0
GE 2500	84.9	85.8	86.3	87.0	87.2	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.6
GE 2000	86.9	88.1	88.7	89.5	89.8	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.2
GE 1800	87.7	88.9	89.5	90.5	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.6
GE 1500	89.5	91.4	92.0	93.4	94.2	94.3	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.7
GE 1200	90.4	92.7	93.9	95.5	96.5	96.7	97.0	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.4
GE 1000	91.0	93.5	94.9	96.7	97.9	98.1	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8
GE 900	91.0	93.5	94.9	96.9	98.1	98.3	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4
GE 800	91.0	93.5	94.9	96.9	98.1	98.3	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.5
GE 700	91.0	93.5	94.9	96.9	98.1	98.3	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 500	91.0	93.5	94.9	96.9	98.1	98.6	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 500	91.0	93.5	94.9	96.9	98.1	98.6	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 400	91.0	93.5	94.9	96.9	98.1	98.6	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 300	91.0	93.5	94.9	96.9	98.1	98.6	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 200	91.0	93.5	94.9	96.9	98.1	98.6	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 100	91.0	93.5	94.9	96.9	98.1	98.6	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	100.0
GE 000	91.0	93.5	94.9	96.9	98.1	98.6	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.4	31.6	31.9	32.2	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.6	32.6
GE 20000	35.7	35.8	36.2	36.4	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0
GE 18000	35.7	35.8	36.2	36.4	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0
GE 16000	35.7	35.8	36.2	36.4	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.0
GE 14000	37.7	37.8	38.2	38.4	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.0	39.0
GE 12000	39.5	39.6	40.0	40.2	40.5	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.8	40.8
GE 10000	42.0	42.1	42.4	42.7	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.3	43.3
GE 9000	45.0	45.2	45.5	45.7	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.3	46.3
GE 8000	46.8	46.9	47.3	47.5	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.1
GE 7000	50.2	50.4	50.7	50.9	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5
GE 6000	53.7	53.8	54.1	54.4	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.0	55.0
GE 5000	60.5	60.9	61.2	61.5	61.8	61.8	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.2	62.2
GE 4500	65.1	65.5	65.8	66.1	66.5	66.5	66.7	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.9	66.9
GE 4000	71.5	72.0	72.3	72.7	73.2	73.2	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5
GE 3500	74.9	75.4	75.8	76.2	76.7	76.7	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.1	77.1
GE 3000	80.1	81.2	82.0	82.5	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.5	83.5
GE 2500	83.8	85.0	85.9	86.4	87.4	87.4	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.7	87.7
GE 2000	85.2	86.5	87.6	88.4	89.7	89.7	89.8	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.1	90.1
GE 1800	85.9	87.2	88.4	89.2	90.5	90.5	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.9	90.9
GE 1500	87.9	89.2	90.4	91.3	92.8	92.8	92.9	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.3	93.3
GE 1200	89.0	90.7	92.2	93.3	95.0	95.0	95.2	95.2	95.2	95.5	95.5	95.5	95.5	95.5	95.6	95.6
GE 1000	89.6	91.4	92.9	94.0	95.7	95.7	95.9	95.9	95.9	96.2	96.2	96.2	96.2	96.2	96.3	96.3
GE 900	89.7	91.6	93.1	94.2	96.1	96.1	96.2	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.7	96.8
GE 800	89.8	91.8	93.4	94.4	96.5	96.5	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	97.0	97.2
GE 700	89.8	91.8	93.4	94.4	96.5	96.5	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	97.0	97.2
GE 600	89.8	91.8	93.4	94.4	96.6	96.9	97.2	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.8	97.9
GE 500	89.8	91.8	93.4	94.4	96.8	97.2	97.6	97.6	97.6	98.1	98.2	98.2	98.2	98.2	98.3	98.5
GE 400	89.8	91.8	93.4	94.4	96.8	97.2	97.6	97.6	97.6	98.3	98.5	98.5	98.5	98.5	98.6	98.7
GE 300	89.8	91.8	93.4	94.4	96.8	97.2	97.6	97.6	97.6	98.3	98.5	98.5	98.5	98.5	98.6	98.8
GE 200	89.8	91.8	93.4	94.4	96.8	97.2	97.6	97.6	97.6	98.3	98.5	98.5	98.5	98.5	98.9	99.2
GE 100	89.8	91.8	93.4	94.4	96.8	97.2	97.6	97.6	97.6	98.3	98.5	98.5	98.5	98.5	98.9	100.0
GE 000	89.8	91.8	93.4	94.4	96.8	97.2	97.6	97.6	97.6	98.3	98.5	98.5	98.5	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726960

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	26.8	27.0	27.3	27.7	28.0	28.0	28.1	28.2	28.2	28.3	28.3	28.3	28.5	28.5	28.7	29.1
GE 20000	31.3	31.6	31.9	32.4	32.8	32.8	32.9	33.0	33.0	33.2	33.2	33.2	33.4	33.4	33.6	34.1
GE 18000	31.6	31.8	32.1	32.7	33.1	33.1	33.2	33.3	33.3	33.4	33.5	33.5	33.6	33.6	33.9	34.3
GE 16000	31.8	32.1	32.4	32.9	33.4	33.4	33.5	33.6	33.6	33.7	33.7	33.7	33.9	33.9	34.2	34.6
GE 14000	33.3	33.5	33.9	34.4	34.8	34.8	34.9	35.0	35.0	35.2	35.2	35.2	35.4	35.4	35.6	36.1
GE 12000	35.2	35.4	35.7	36.3	36.7	36.7	36.8	36.9	36.9	37.1	37.1	37.1	37.3	37.3	37.5	38.0
GE 10000	38.0	38.3	38.6	39.1	39.6	39.6	39.7	39.8	39.8	39.9	40.0	40.0	40.2	40.2	40.4	40.9
GE 9000	39.8	40.1	40.4	41.0	41.4	41.4	41.6	41.6	41.6	41.8	41.8	41.8	42.0	42.1	42.3	42.7
GE 8000	41.1	41.4	41.7	42.2	42.7	42.7	42.8	42.9	42.9	43.1	43.1	43.1	43.3	43.3	43.5	44.0
GE 7000	43.5	43.8	44.1	44.7	45.2	45.2	45.3	45.4	45.4	45.5	45.6	45.6	45.8	45.8	46.0	46.5
GE 6000	47.1	47.4	47.7	48.3	48.8	48.8	48.9	49.0	49.0	49.2	49.2	49.2	49.4	49.5	49.7	50.1
GE 5000	52.5	52.9	53.3	53.9	54.4	54.4	54.6	54.7	54.7	54.9	54.9	54.9	55.1	55.2	55.4	55.9
GE 4500	56.5	57.0	57.4	58.0	58.6	58.6	58.8	58.8	58.8	59.0	59.1	59.1	59.3	59.3	59.6	60.1
GE 4000	63.4	64.0	64.5	65.1	65.7	65.7	65.9	66.0	66.0	66.3	66.3	66.3	66.6	66.6	66.9	67.4
GE 3500	67.2	67.9	68.4	69.2	69.8	69.8	70.0	70.1	70.1	70.3	70.4	70.4	70.7	70.7	71.0	71.5
GE 3000	73.2	74.2	74.9	75.8	76.4	76.5	76.7	76.8	76.8	77.1	77.1	77.1	77.4	77.4	77.7	78.2
GE 2500	75.9	77.0	77.9	78.8	79.5	79.6	79.8	79.9	80.0	80.2	80.3	80.3	80.6	80.6	80.9	81.4
GE 2000	78.4	79.7	80.7	81.8	82.6	82.7	83.0	83.1	83.1	83.4	83.5	83.5	83.7	83.8	84.1	84.6
GE 1800	79.6	81.0	82.2	83.2	84.2	84.4	84.7	84.9	84.9	85.2	85.2	85.2	85.5	85.5	85.8	86.4
GE 1500	81.6	83.5	84.9	86.1	87.3	87.5	87.9	88.1	88.1	88.4	88.5	88.5	88.7	88.8	89.1	89.6
GE 1200	83.9	86.0	87.7	89.2	90.5	90.8	91.3	91.6	91.6	91.9	92.0	92.0	92.2	92.3	92.6	93.1
GE 1000	84.3	86.6	88.5	90.0	91.5	91.8	92.5	92.8	92.8	93.1	93.2	93.2	93.5	93.5	93.8	94.3
GE 900	84.6	87.0	88.8	90.5	92.1	92.4	93.1	93.5	93.5	93.8	93.9	93.9	94.2	94.2	94.5	95.0
GE 800	84.6	87.0	89.0	90.7	92.3	92.7	93.5	93.9	93.9	94.3	94.4	94.4	94.6	94.7	94.9	95.5
GE 700	84.7	87.1	89.1	90.9	92.5	92.9	93.8	94.1	94.2	94.6	94.7	94.7	95.0	95.0	95.3	95.9
GE 600	84.7	87.2	89.2	90.9	92.7	93.1	94.1	94.5	94.5	94.9	95.0	95.0	95.3	95.3	95.6	96.2
GE 500	84.7	87.2	89.2	91.0	92.7	93.2	94.3	94.8	94.9	95.3	95.5	95.5	95.8	95.8	96.2	96.8
GE 400	84.7	87.2	89.2	91.0	92.8	93.3	94.5	95.1	95.2	95.7	95.9	95.9	96.2	96.3	96.6	97.3
GE 300	84.8	87.2	89.3	91.0	92.9	93.4	94.6	95.2	95.4	96.0	96.3	96.3	96.7	96.7	97.2	97.9
GE 200	84.8	87.2	89.3	91.0	92.9	93.4	94.6	95.2	95.4	96.1	96.4	96.4	96.9	96.9	97.5	98.4
GE 100	84.8	87.2	89.3	91.0	92.9	93.4	94.6	95.3	95.4	96.1	96.5	96.5	97.0	97.1	98.0	99.8
GE 000	84.8	87.2	89.3	91.0	92.9	93.4	94.6	95.3	95.4	96.1	96.5	96.5	97.0	97.1	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.5	34.6	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.3
GE 20000	37.1	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.6	37.8	37.8	37.8	37.8	37.8	38.1
GE 18000	37.3	37.5	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.8	38.1	38.1	38.1	38.1	38.1	38.3
GE 16000	37.3	37.5	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.8	38.1	38.1	38.1	38.1	38.1	38.3
GE 14000	38.1	38.3	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.6	38.8	38.8	38.8	38.8	38.8	39.0
GE 12000	39.9	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.4	40.6	40.6	40.8	40.8	40.8	41.0
GE 10000	42.8	43.0	43.1	43.3	43.3	43.3	43.3	43.4	43.4	43.5	43.8	43.8	43.9	43.9	43.9	44.1
GE 9000	45.3	45.5	45.7	45.9	46.0	46.0	46.0	46.1	46.1	46.2	46.5	46.5	46.6	46.6	46.6	46.8
GE 8000	48.4	48.6	48.8	49.0	49.1	49.1	49.1	49.2	49.2	49.4	49.6	49.6	49.7	49.7	49.7	49.9
GE 7000	50.9	51.1	51.4	51.6	51.7	51.7	51.7	51.8	51.8	51.9	52.2	52.2	52.3	52.3	52.3	52.5
GE 6000	54.9	55.2	55.5	55.7	55.8	55.8	55.8	55.9	55.9	56.0	56.2	56.2	56.3	56.3	56.3	56.6
GE 5000	61.4	61.6	61.9	62.2	62.3	62.3	62.3	62.4	62.4	62.5	62.7	62.7	62.8	62.8	62.8	63.0
GE 4500	65.7	65.9	66.2	66.5	66.6	66.6	66.6	66.7	66.7	66.8	67.0	67.0	67.1	67.1	67.1	67.3
GE 4000	76.0	76.3	76.7	76.9	77.0	77.0	77.0	77.1	77.1	77.2	77.4	77.4	77.5	77.5	77.5	77.7
GE 3500	82.0	82.4	82.7	82.9	83.0	83.0	83.0	83.1	83.1	83.2	83.4	83.4	83.5	83.5	83.5	83.8
GE 3000	86.3	86.7	87.0	87.2	87.3	87.3	87.3	87.4	87.4	87.5	87.7	87.7	87.8	87.8	87.8	88.1
GE 2500	88.6	88.9	89.2	89.5	89.6	89.6	89.6	89.7	89.7	89.8	90.0	90.0	90.1	90.1	90.1	90.3
GE 2000	90.6	91.0	91.4	91.7	91.8	91.8	91.8	92.0	92.0	92.2	92.5	92.5	92.6	92.6	92.6	92.8
GE 1800	91.5	91.8	92.3	92.8	92.9	92.9	92.9	93.1	93.1	93.2	93.5	93.5	93.7	93.7	93.7	93.9
GE 1500	93.2	93.9	94.4	95.1	95.3	95.3	95.3	95.8	95.8	95.9	96.2	96.2	96.3	96.3	96.3	96.6
GE 1200	95.1	95.7	96.3	97.1	97.4	97.4	97.4	98.0	98.0	98.1	98.4	98.4	98.5	98.5	98.5	98.7
GE 1000	95.4	96.0	96.7	97.4	97.7	97.7	97.7	98.3	98.3	98.4	98.7	98.7	98.8	98.8	98.8	99.0
GE 900	95.5	96.3	97.0	97.7	98.1	98.1	98.1	98.6	98.6	98.7	99.0	99.0	99.1	99.1	99.1	99.4
GE 800	95.5	96.3	97.0	97.7	98.2	98.2	98.2	98.7	98.7	98.8	99.1	99.1	99.2	99.2	99.5	99.7
GE 700	95.5	96.3	97.0	97.7	98.2	98.2	98.2	98.7	98.7	98.8	99.1	99.1	99.2	99.2	99.5	99.7
GE 600	95.5	96.3	97.0	97.7	98.2	98.2	98.2	98.7	98.7	98.8	99.1	99.1	99.2	99.2	99.5	99.7
GE 500	95.5	96.3	97.0	97.7	98.2	98.2	98.2	98.7	98.7	98.9	99.2	99.2	99.4	99.4	99.6	99.8
GE 400	95.5	96.3	97.0	97.7	98.2	98.2	98.2	98.7	98.7	98.9	99.2	99.2	99.4	99.4	99.6	99.8
GE 300	95.5	96.3	97.0	97.7	98.2	98.2	98.2	98.7	98.7	98.9	99.2	99.2	99.4	99.4	99.7	100.0
GE 200	95.5	96.3	97.0	97.7	98.2	98.2	98.2	98.7	98.7	98.9	99.2	99.2	99.4	99.4	99.7	100.0
GE 100	95.5	96.3	97.0	97.7	98.2	98.2	98.2	98.7	98.7	98.9	99.2	99.2	99.4	99.4	99.7	100.0
GE 000	95.5	96.3	97.0	97.7	98.2	98.2	98.2	98.7	98.7	98.9	99.2	99.2	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.0	27.1	27.2	27.3	27.7	27.7	27.7	27.7	27.7	27.8	27.8	27.8	28.0	28.0	28.0	28.2
GE 20000	30.6	30.8	30.9	31.0	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.8	31.9	31.9	32.2
GE 18000	30.8	30.9	31.0	31.1	31.7	31.7	31.7	31.7	31.7	31.8	31.8	31.8	31.9	32.0	32.0	32.3
GE 16000	30.8	30.9	31.0	31.1	31.7	31.7	31.7	31.7	31.7	31.8	31.8	31.8	31.9	32.0	32.0	32.3
GE 14000	31.1	31.2	31.3	31.4	32.0	32.0	32.0	32.0	32.0	32.2	32.2	32.2	32.3	32.4	32.4	32.6
GE 12000	32.3	32.4	32.5	32.6	33.2	33.2	33.2	33.2	33.2	33.3	33.3	33.3	33.5	33.7	33.7	34.0
GE 10000	33.9	34.0	34.2	34.3	34.9	34.9	34.9	35.1	35.1	35.2	35.2	35.2	35.4	35.5	35.5	35.8
GE 9000	36.2	36.3	36.6	36.7	37.3	37.3	37.3	37.4	37.4	37.5	37.5	37.5	37.7	37.8	37.8	38.2
GE 8000	38.6	38.7	38.9	39.0	39.7	39.7	39.7	39.8	39.8	39.9	39.9	39.9	40.1	40.2	40.2	40.5
GE 7000	40.8	40.9	41.1	41.2	41.8	41.8	41.8	41.9	41.9	42.0	42.0	42.0	42.3	42.4	42.4	42.7
GE 6000	45.1	45.2	45.4	45.5	46.1	46.1	46.1	46.2	46.2	46.3	46.3	46.3	46.6	46.7	46.7	47.1
GE 5000	51.0	51.1	51.3	51.4	52.0	52.0	52.0	52.2	52.2	52.3	52.3	52.3	52.5	52.6	52.6	53.0
GE 4500	56.2	56.3	56.6	56.7	57.3	57.3	57.3	57.4	57.4	57.5	57.5	57.5	57.7	57.8	57.8	58.3
GE 4000	65.7	65.9	67.1	67.2	67.6	67.8	67.8	68.0	68.0	68.1	68.1	68.1	68.3	68.4	68.4	68.8
GE 3500	71.8	72.0	72.3	72.4	73.0	73.0	73.0	73.1	73.1	73.2	73.2	73.2	73.4	73.5	73.5	74.0
GE 3000	79.1	79.4	79.6	79.8	80.4	80.4	80.5	80.8	80.8	80.9	80.9	80.9	81.1	81.2	81.2	81.6
GE 2500	82.5	82.9	83.2	83.4	84.1	84.1	84.2	84.4	84.4	84.5	84.5	84.5	84.7	84.8	84.8	85.3
GE 2000	85.9	86.5	86.9	87.1	87.7	87.7	88.0	88.2	88.2	88.3	88.3	88.3	88.5	88.6	88.6	89.0
GE 1800	87.2	87.8	88.5	88.8	89.5	89.5	89.8	90.0	90.0	90.1	90.1	90.1	90.3	90.4	90.4	90.9
GE 1500	89.9	90.6	91.4	91.7	92.4	92.4	92.7	92.9	92.9	93.0	93.0	93.0	93.3	93.4	93.4	93.9
GE 1200	91.4	92.4	93.1	93.4	94.1	94.1	94.5	94.7	94.7	94.9	94.9	94.9	95.3	95.4	95.4	95.8
GE 1000	92.6	93.5	94.3	94.6	95.3	95.3	95.7	95.9	95.9	96.1	96.1	96.1	96.5	96.6	96.6	97.0
GE 900	92.6	93.9	94.7	95.1	95.7	95.7	96.1	96.3	96.3	96.6	96.6	96.6	96.9	97.0	97.0	97.4
GE 800	92.6	93.9	94.8	95.3	95.9	95.9	96.3	96.6	96.6	96.8	96.8	96.8	97.1	97.2	97.2	97.6
GE 700	92.7	94.0	94.9	95.4	96.0	96.0	96.5	96.7	96.7	96.9	96.9	96.9	97.2	97.3	97.3	97.7
GE 600	92.7	94.1	95.1	95.5	96.1	96.1	96.6	96.8	96.8	97.1	97.1	97.1	97.4	97.5	97.5	98.0
GE 500	92.7	94.1	95.1	95.5	96.3	96.3	96.9	97.1	97.1	97.5	97.6	97.6	98.0	98.1	98.2	98.7
GE 400	92.7	94.2	95.2	95.6	96.5	96.5	97.0	97.2	97.2	97.7	97.8	97.8	98.2	98.3	98.4	98.9
GE 300	92.7	94.2	95.2	95.7	96.6	96.6	97.1	97.3	97.3	97.8	98.0	98.0	98.3	98.4	98.6	99.4
GE 200	92.7	94.2	95.2	95.7	96.6	96.6	97.1	97.3	97.3	97.8	98.0	98.0	98.3	98.4	98.7	99.7
GE 100	92.7	94.2	95.2	95.7	96.7	96.7	97.2	97.4	97.4	98.1	98.2	98.2	98.5	98.6	98.9	100.0
GE 000	92.7	94.2	95.2	95.7	96.7	96.7	97.2	97.4	97.4	98.1	98.2	98.2	98.5	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.7	21.9	22.3	22.3	22.5	22.5	22.6	22.6	22.6	22.7	22.8	22.8	22.9	22.9	23.3	23.8
GE 20000	24.4	24.6	24.9	25.1	25.3	25.3	25.4	25.4	25.4	25.6	25.7	25.7	25.8	25.8	26.3	26.8
GE 18000	24.6	24.8	25.2	25.3	25.5	25.5	25.6	25.6	25.6	25.8	25.9	25.9	26.0	26.0	26.6	27.0
GE 16000	24.8	25.1	25.4	25.5	25.7	25.7	25.8	25.8	25.8	26.0	26.1	26.1	26.2	26.2	26.8	27.2
GE 14000	25.1	25.3	25.6	25.7	25.9	25.9	26.0	26.0	26.0	26.2	26.3	26.3	26.5	26.5	27.0	27.4
GE 12000	27.2	27.4	27.7	28.0	28.2	28.2	28.3	28.3	28.3	28.6	28.7	28.7	28.8	28.8	29.4	29.8
GE 10000	29.7	29.9	30.2	30.4	30.8	30.8	30.9	30.9	30.9	31.2	31.3	31.3	31.4	31.4	31.9	32.4
GE 9000	31.4	31.6	31.9	32.2	32.5	32.5	32.6	32.6	32.6	32.9	33.0	33.0	33.1	33.1	33.7	34.1
GE 8000	33.5	33.9	34.2	34.4	34.7	34.7	34.8	34.8	34.8	35.2	35.3	35.3	35.4	35.4	35.9	36.3
GE 7000	36.5	36.8	37.1	37.3	37.6	37.6	37.7	37.7	37.7	38.1	38.2	38.2	38.3	38.3	38.8	39.2
GE 6000	42.0	42.4	42.7	42.9	43.3	43.3	43.4	43.4	43.4	43.8	43.9	43.9	44.0	44.0	44.6	45.2
GE 5000	46.6	46.9	47.2	47.5	48.0	48.0	48.1	48.1	48.2	48.5	48.6	48.6	48.7	48.7	49.5	50.0
GE 4500	50.9	51.3	51.6	51.9	52.4	52.4	52.5	52.5	52.6	52.9	53.0	53.0	53.1	53.1	54.2	54.7
GE 4000	60.9	61.3	61.6	61.9	62.4	62.4	62.5	62.5	62.6	62.9	63.0	63.0	63.1	63.1	64.2	64.7
GE 3500	66.8	67.3	67.7	68.2	68.6	68.6	68.8	68.8	68.9	69.2	69.4	69.4	69.5	69.5	70.5	71.1
GE 3000	75.2	75.9	76.7	77.3	77.7	77.7	78.0	78.0	78.1	78.4	78.5	78.5	78.6	78.6	79.9	80.4
GE 2500	77.0	78.1	78.9	79.6	80.1	80.1	80.3	80.3	80.4	80.8	80.9	80.9	81.0	81.0	82.3	82.8
GE 2000	80.4	81.5	82.5	83.2	83.8	83.8	84.0	84.0	84.1	84.4	84.5	84.5	84.6	84.6	85.9	86.5
GE 1800	81.6	82.7	83.7	84.4	84.9	84.9	85.2	85.2	85.3	85.6	85.7	85.7	85.8	85.8	87.1	87.6
GE 1500	84.1	85.2	86.5	87.2	87.7	87.7	88.0	88.0	88.1	88.4	88.5	88.5	88.6	88.6	89.9	90.4
GE 1200	85.9	87.0	88.6	89.4	89.9	89.9	90.1	90.1	90.2	90.5	90.8	90.8	90.9	90.9	92.2	92.7
GE 1000	87.0	88.1	89.7	90.5	91.1	91.1	91.3	91.3	91.4	91.7	91.9	91.9	92.0	92.0	93.3	93.9
GE 900	87.1	88.3	89.9	90.8	91.3	91.3	91.5	91.5	91.6	91.9	92.2	92.2	92.3	92.3	93.5	94.1
GE 800	87.1	88.3	89.9	91.0	91.5	91.5	91.7	91.7	91.8	92.2	92.4	92.4	92.5	92.5	93.8	94.3
GE 700	87.1	88.3	89.9	91.0	91.5	91.5	91.7	91.7	91.8	92.2	92.4	92.4	92.5	92.5	93.8	94.3
GE 600	87.1	88.3	90.0	91.1	91.7	91.7	91.9	91.9	92.0	92.4	92.6	92.6	92.7	92.7	94.0	94.5
GE 500	87.1	88.3	90.0	91.2	91.9	91.9	92.2	92.2	92.3	92.6	92.8	92.8	93.1	93.1	94.5	95.1
GE 400	87.1	88.3	90.0	91.2	91.9	92.2	92.5	92.7	93.0	93.5	93.8	93.8	94.2	94.3	95.7	96.2
GE 300	87.1	88.3	90.0	91.3	92.2	92.4	92.7	92.9	93.2	93.9	94.1	94.1	94.6	94.7	96.6	97.3
GE 200	87.1	88.3	90.0	91.3	92.2	92.4	92.7	93.1	93.4	94.2	94.4	94.4	95.2	95.3	97.2	98.2
GE 100	87.1	88.3	90.0	91.3	92.2	92.4	92.7	93.1	93.4	94.2	94.4	94.4	95.6	95.7	97.7	100.0
GE 000	87.1	88.3	90.0	91.3	92.2	92.4	92.7	93.1	93.4	94.2	94.4	94.4	95.6	95.7	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	24.2	24.6	25.1	25.7	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.2
GE 20000	28.3	28.7	29.2	30.0	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.6
GE 18000	28.3	28.7	29.2	30.0	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.6
GE 16000	28.5	28.9	29.5	30.2	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.8	30.9
GE 14000	29.2	29.7	30.2	31.0	31.3	31.3	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.6	31.7
GE 12000	31.3	31.7	32.3	33.1	33.4	33.4	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.8	33.9
GE 10000	34.8	35.3	35.9	36.8	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.4	37.5
GE 9000	37.1	37.5	38.2	39.0	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.7	39.8
GE 8000	38.7	39.1	39.8	40.6	41.0	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.3	41.4
GE 7000	40.8	41.2	41.8	42.7	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.5
GE 6000	44.2	44.6	45.3	46.2	46.7	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.0	47.1
GE 5000	49.7	50.2	50.9	51.8	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.8
GE 4500	54.1	54.6	55.5	56.5	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.5
GE 4000	63.3	64.1	65.2	66.3	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.4
GE 3500	67.4	68.2	69.4	70.9	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	72.0
GE 3000	74.1	74.9	76.1	77.8	78.5	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	79.0
GE 2500	78.0	78.8	80.2	81.9	82.6	82.6	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.3
GE 2000	81.3	82.2	83.7	85.6	86.6	86.6	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.4
GE 1800	82.8	83.7	85.2	87.1	88.1	88.1	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.9
GE 1500	86.1	87.6	89.5	91.5	92.9	93.0	93.5	93.8	93.8	93.9	93.9	93.9	93.9	93.9	94.0	94.1
GE 1200	87.6	89.2	91.2	93.2	94.7	94.8	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	96.0
GE 1000	88.1	89.7	91.7	93.9	95.4	95.5	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.6	96.7
GE 900	88.2	89.8	91.8	94.0	95.5	95.6	96.2	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.8
GE 800	88.2	89.8	91.8	94.0	95.5	95.6	96.2	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.7	96.8
GE 700	88.2	89.8	91.8	94.0	95.5	95.8	96.6	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.0	97.1
GE 600	88.2	89.8	91.8	94.0	95.6	96.0	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.3
GE 500	88.2	89.8	91.8	94.0	95.7	96.2	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.5
GE 400	88.2	89.8	91.8	94.0	95.7	96.2	97.3	97.5	97.5	97.8	97.8	97.8	97.8	97.8	98.2	98.3
GE 300	88.2	89.8	91.8	94.1	95.8	96.3	97.4	97.7	97.8	98.5	98.5	98.5	98.6	98.6	98.9	99.0
GE 200	88.2	89.8	91.8	94.1	95.8	96.3	97.4	97.7	98.0	98.6	98.6	98.6	98.9	98.9	99.4	99.7
GE 100	88.2	89.8	91.8	94.1	95.8	96.3	97.4	97.7	98.0	98.6	98.6	98.6	99.0	99.0	99.6	100.0
GE 000	88.2	89.8	91.8	94.1	95.8	96.3	97.4	97.7	98.0	98.6	98.6	98.6	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 20000	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 18000	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 16000	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 14000	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 12000	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 10000	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 9000	46.2	46.3	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 8000	47.5	47.6	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 7000	49.5	49.6	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 6000	53.3	53.4	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 5000	60.5	60.6	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 4500	64.4	64.5	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 4000	73.5	73.8	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3500	78.6	78.8	79.2	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 3000	85.4	85.6	86.0	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 2500	89.0	89.7	90.1	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 2000	92.0	92.8	93.3	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1800	92.9	93.8	94.4	95.3	95.5	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1500	94.2	95.5	96.7	97.6	98.0	98.2	98.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	94.4	95.7	96.9	97.8	98.4	98.6	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	94.6	96.1	97.3	98.3	98.8	99.0	99.1	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	94.6	96.1	97.3	98.3	98.8	99.0	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	94.6	96.1	97.3	98.3	98.8	99.0	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	94.6	96.1	97.3	98.3	98.8	99.0	99.2	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	94.6	96.1	97.3	98.3	98.8	99.0	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.6	96.1	97.3	98.3	98.8	99.0	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.6	96.1	97.3	98.3	98.8	99.0	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.6	96.1	97.3	98.3	98.8	99.0	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.6	96.1	97.3	98.3	98.8	99.0	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.6	96.1	97.3	98.3	98.8	99.0	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.6	96.1	97.3	98.3	98.8	99.0	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
GE 20000	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 18000	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 16000	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
GE 14000	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GE 12000	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 10000	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 9000	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 8000	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 7000	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 6000	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 5000	67.0	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 4500	70.2	70.6	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4000	78.3	79.0	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 3500	82.9	83.8	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 3000	89.1	90.1	90.9	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2500	90.8	91.7	92.5	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 2000	92.2	93.2	94.2	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1800	92.8	93.9	95.2	95.5	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1500	93.9	95.3	96.9	97.3	97.8	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	94.5	96.0	97.6	98.2	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	94.5	96.1	97.7	98.3	99.0	99.0	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	94.6	96.2	97.8	98.5	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	94.6	96.2	97.8	98.5	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	94.6	96.2	97.8	98.5	99.2	99.2	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	94.6	96.2	97.8	98.5	99.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.6	96.2	97.8	98.5	99.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.6	96.2	97.8	98.5	99.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.6	96.2	97.8	98.5	99.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.6	96.2	97.8	98.5	99.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.6	96.2	97.8	98.5	99.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	94.6	96.2	97.8	98.5	99.2	99.2	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 20000	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 18000	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
GE 16000	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 14000	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 12000	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 10000	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 9000	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 8000	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 7000	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 6000	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 5000	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 4500	73.2	73.3	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 4000	79.2	79.4	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 3500	84.1	84.4	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 3000	89.4	90.0	90.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 2500	90.6	91.4	92.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 2000	92.4	93.2	93.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	93.5	94.5	95.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1500	94.9	96.2	97.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	95.1	96.5	97.5	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	95.3	96.8	97.8	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	95.3	96.8	97.8	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	95.3	96.8	97.8	99.2	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	95.3	96.8	97.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	95.3	96.8	97.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	95.3	96.8	97.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	95.3	96.8	97.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	95.3	96.8	97.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.3	96.8	97.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.3	96.8	97.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.3	96.8	97.8	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.1	40.1
GE 20000	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.7	43.7	43.8	43.8
GE 18000	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.9	43.9
GE 16000	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.1	44.1	44.2	44.2
GE 14000	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.6	44.6
GE 12000	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.9	46.9
GE 10000	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.2	49.2
GE 9000	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.7	51.7
GE 8000	53.9	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.4	54.4
GE 7000	58.4	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.9	58.9
GE 6000	63.7	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2	64.2	64.3	64.3
GE 5000	68.9	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.6	69.6
GE 4500	73.7	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.3	74.3
GE 4000	82.4	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.3	83.3
GE 3500	86.0	86.5	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.2	87.2
GE 3000	89.9	90.4	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.3	91.3
GE 2500	91.5	92.3	92.9	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.4	93.4
GE 2000	92.6	93.4	94.3	94.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.4	95.4
GE 1800	93.0	93.9	94.7	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7	95.8	95.8
GE 1500	95.2	96.1	97.0	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.1	98.1
GE 1200	96.2	97.3	98.2	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.2	99.2
GE 1000	96.5	97.5	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.6	99.6
GE 900	96.5	97.5	98.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.6	99.6
GE 800	96.5	97.5	98.4	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.7
GE 700	96.5	97.5	98.4	98.7	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9
GE 600	96.5	97.5	98.4	98.7	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.9	99.9
GE 500	96.5	97.5	98.4	98.7	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 400	96.5	97.5	98.4	98.7	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 300	96.5	97.5	98.4	98.7	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	96.5	97.5	98.4	98.7	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	96.5	97.5	98.4	98.7	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	96.5	97.5	98.4	98.7	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.7	30.8	30.9	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.3	31.3	31.3	31.3	31.4	31.5
GE 20000	35.3	35.4	35.6	35.7	35.9	35.9	35.9	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.1	36.3
GE 18000	35.5	35.6	35.8	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.2	36.2	36.2	36.2	36.3	36.5
GE 16000	35.7	35.8	36.0	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.5	36.7
GE 14000	36.4	36.6	36.7	36.9	37.0	37.0	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.3	37.4
GE 12000	38.3	38.5	38.6	38.8	39.0	39.0	39.0	39.0	39.0	39.1	39.1	39.1	39.2	39.2	39.3	39.4
GE 10000	41.0	41.2	41.4	41.6	41.7	41.7	41.8	41.8	41.8	41.9	41.9	41.9	42.0	42.0	42.1	42.2
GE 9000	43.1	43.3	43.5	43.7	43.9	43.9	43.9	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.2	44.4
GE 8000	45.6	45.8	46.0	46.2	46.3	46.3	46.4	46.4	46.4	46.5	46.5	46.5	46.6	46.6	46.7	46.8
GE 7000	48.5	48.7	48.9	49.1	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.6	49.8
GE 6000	53.4	53.6	53.9	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.7	54.8
GE 5000	59.2	59.5	59.8	60.0	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.6	60.8
GE 4500	63.5	63.8	64.2	64.4	64.7	64.7	64.7	64.8	64.8	64.8	64.9	64.9	64.9	65.0	65.1	65.3
GE 4000	72.5	72.9	73.4	73.7	73.9	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.4	74.5
GE 3500	77.5	77.9	78.4	78.8	79.1	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.4	79.4	79.6	79.7
GE 3000	83.6	84.1	84.7	85.3	85.6	85.6	85.6	85.7	85.7	85.8	85.8	85.8	85.9	85.9	86.1	86.2
GE 2500	86.0	86.7	87.4	88.0	88.3	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.6	88.6	88.8	89.0
GE 2000	89.4	89.2	90.0	90.7	91.2	91.2	91.3	91.4	91.4	91.4	91.5	91.5	91.6	91.6	91.8	91.9
GE 1800	89.4	90.3	91.1	91.9	92.4	92.4	92.5	92.6	92.6	92.7	92.7	92.7	92.8	92.8	93.0	93.2
GE 1500	91.4	92.6	93.7	94.5	95.1	95.1	95.3	95.4	95.4	95.5	95.6	95.6	95.7	95.7	95.9	96.0
GE 1200	92.5	93.7	94.9	95.8	96.4	96.5	96.7	96.9	96.9	97.0	97.1	97.1	97.1	97.2	97.3	97.5
GE 1000	93.0	94.2	95.5	96.4	97.0	97.1	97.3	97.5	97.5	97.6	97.7	97.7	97.8	97.8	98.0	98.1
GE 900	93.0	94.4	95.6	96.5	97.2	97.2	97.5	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.2	98.3
GE 800	93.0	94.4	95.6	96.6	97.3	97.3	97.6	97.7	97.8	97.9	98.0	98.0	98.1	98.1	98.3	98.4
GE 700	93.1	94.4	95.6	96.6	97.3	97.4	97.6	97.8	97.8	98.0	98.1	98.1	98.1	98.2	98.4	98.5
GE 600	93.1	94.4	95.7	96.6	97.3	97.4	97.7	97.9	98.0	98.1	98.2	98.2	98.3	98.3	98.5	98.7
GE 500	93.1	94.4	95.7	96.7	97.4	97.5	97.8	98.1	98.1	98.3	98.3	98.3	98.5	98.5	98.7	98.9
GE 400	93.1	94.4	95.7	96.7	97.4	97.6	97.9	98.2	98.2	98.5	98.6	98.6	98.7	98.7	99.0	99.2
GE 300	93.1	94.4	95.7	96.7	97.5	97.6	98.0	98.2	98.3	98.6	98.7	98.7	98.8	98.9	99.2	99.5
GE 200	93.1	94.4	95.7	96.7	97.5	97.6	98.0	98.3	98.3	98.7	98.8	98.8	99.0	99.0	99.4	99.7
GE 100	93.1	94.4	95.7	96.7	97.5	97.6	98.0	98.3	98.3	98.7	98.8	98.8	99.0	99.1	99.5	100.0
GE 000	93.1	94.4	95.7	96.7	97.5	97.6	98.0	98.3	98.3	98.7	98.8	98.8	99.0	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.8	41.8	41.8	41.8
GE 20000	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.6	46.6	46.6	46.6
GE 18000	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	47.0	47.0	47.0	47.0
GE 16000	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	47.0	47.0	47.0	47.0
GE 14000	47.0	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.6	47.6	47.6	47.6
GE 12000	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.8	49.8	49.8	49.8
GE 10000	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4	52.4
GE 9000	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.6	53.6	53.6	53.6
GE 8000	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.7	54.7	54.7	54.7
GE 7000	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.6	57.6	57.6	57.6
GE 6000	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.8	60.8	60.8	60.8
GE 5000	65.9	66.1	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.7	66.7	66.7	66.7
GE 4500	71.8	72.0	72.1	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7
GE 4000	79.9	80.1	80.2	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.8	80.8	80.8	80.8
GE 3500	85.1	85.3	85.4	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0	86.0	86.0
GE 3000	89.8	90.1	90.3	90.3	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	91.0	91.0	91.0	91.0
GE 2500	92.2	92.6	92.8	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.4	93.4	93.4	93.4
GE 2000	93.4	94.0	94.3	94.4	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.1
GE 1800	94.3	94.9	95.2	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	96.0	96.0	96.0	96.0
GE 1500	95.3	96.0	96.3	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	97.1	97.1	97.1	97.1
GE 1200	96.4	97.1	97.4	97.6	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3
GE 1000	96.4	97.1	97.4	97.6	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.3	98.3	98.3	98.3
GE 900	96.7	97.3	97.7	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.6	98.6	98.6	98.6
GE 800	96.8	97.4	97.8	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.9	98.9	98.9	99.0
GE 700	96.9	97.6	97.9	98.1	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1	99.2
GE 600	96.9	97.6	97.9	98.1	98.7	98.7	98.9	98.9	98.9	98.9	98.9	98.9	99.2	99.2	99.2	99.3
GE 500	96.9	97.6	97.9	98.1	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.4	99.4	99.6
GE 400	96.9	97.6	97.9	98.2	98.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.6	99.6	99.6	99.7
GE 300	96.9	97.6	98.0	98.3	98.9	99.0	99.4	99.4	99.4	99.6	99.6	99.6	99.9	99.9	99.9	100.0
GE 200	96.9	97.6	98.0	98.3	98.9	99.0	99.4	99.4	99.4	99.6	99.6	99.6	99.9	99.9	99.9	100.0
GE 100	96.9	97.6	98.0	98.3	98.9	99.0	99.4	99.4	99.4	99.6	99.6	99.6	99.9	99.9	99.9	100.0
GE 000	96.9	97.6	98.0	98.3	98.9	99.0	99.4	99.4	99.4	99.6	99.6	99.6	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	32.7	33.1	33.1	33.6	33.6	33.8	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	34.1	34.1
GE 20000	37.4	38.0	38.0	38.4	38.4	38.7	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	39.0	39.0
GE 18000	37.8	38.3	38.3	38.8	38.8	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.3	39.3
GE 16000	37.8	38.3	38.3	38.8	38.8	39.0	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.3	39.3
GE 14000	38.7	39.2	39.2	39.7	39.7	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.2	40.2
GE 12000	41.4	42.0	42.0	42.4	42.4	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	43.0	43.0
GE 10000	43.9	44.4	44.4	44.9	44.9	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.4	45.4
GE 9000	44.8	45.3	45.3	45.8	45.8	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.3
GE 8000	46.2	46.8	46.8	47.2	47.2	47.4	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.8	47.8
GE 7000	48.8	49.3	49.3	49.8	49.8	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.3	50.3
GE 6000	52.2	52.8	52.8	53.2	53.2	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.8	53.8
GE 5000	57.4	58.1	58.1	58.6	58.6	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1
GE 4500	62.3	63.0	63.0	63.4	63.4	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	64.0	64.0
GE 4000	71.0	71.8	71.8	72.2	72.2	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.8	72.8
GE 3500	77.4	78.3	78.6	79.2	79.2	79.4	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.8	79.8
GE 3000	83.4	84.4	84.7	85.3	85.3	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9
GE 2500	85.9	87.0	87.2	88.0	88.0	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.6	88.6
GE 2000	87.7	88.9	89.1	90.0	90.1	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.7	90.7
GE 1800	88.7	89.9	90.1	91.0	91.2	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.8	91.8
GE 1500	89.9	91.3	91.6	92.4	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.2	93.2	93.4	93.4
GE 1200	91.9	93.8	94.2	95.2	95.6	95.8	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.0	96.2	96.2
GE 1000	92.2	94.3	95.0	96.0	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.9	96.9	97.1	97.1
GE 900	92.2	94.3	95.1	96.1	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.3	97.3
GE 800	92.3	94.4	95.2	96.2	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.2	97.6	97.7
GE 700	92.3	94.4	95.2	96.2	96.8	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.2	97.2	97.6	97.7
GE 600	92.6	94.7	95.6	96.6	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.6	97.6	97.9	98.0
GE 500	92.6	94.8	96.0	97.0	97.6	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.8	98.9
GE 400	92.6	94.8	96.0	97.0	97.6	97.9	98.2	98.3	98.4	98.4	98.4	98.4	98.7	98.7	99.1	99.2
GE 300	92.6	94.8	96.0	97.0	97.7	98.0	98.4	98.6	98.7	98.8	98.8	98.8	99.0	99.0	99.6	99.7
GE 200	92.6	94.8	96.0	97.0	97.7	98.0	98.4	98.7	98.8	98.9	98.9	98.9	99.1	99.1	99.7	99.8
GE 100	92.6	94.8	96.0	97.0	97.7	98.0	98.4	98.7	98.8	98.9	98.9	98.9	99.2	99.2	99.9	100.0
GE 000	92.6	94.8	96.0	97.0	97.7	98.0	98.4	98.7	98.8	98.9	98.9	98.9	99.2	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.2	27.8	28.0	28.0	28.3	28.4	28.6	28.7	28.7	28.8	28.8	28.8	28.9	28.9	29.2	29.3
GE 20000	32.0	32.6	32.8	32.8	33.1	33.2	33.4	33.6	33.6	33.7	33.7	33.7	33.8	33.8	34.2	34.3
GE 18000	32.0	32.6	32.8	32.8	33.1	33.2	33.4	33.6	33.6	33.7	33.7	33.7	33.8	33.8	34.2	34.3
GE 16000	32.0	32.6	32.8	32.8	33.1	33.2	33.4	33.6	33.6	33.7	33.7	33.7	33.8	33.8	34.2	34.3
GE 14000	33.6	34.1	34.3	34.3	34.7	34.8	35.0	35.1	35.1	35.2	35.2	35.2	35.3	35.3	35.9	36.0
GE 12000	36.6	37.1	37.3	37.3	37.7	37.8	38.0	38.1	38.1	38.2	38.2	38.2	38.3	38.3	38.9	39.0
GE 10000	39.7	40.2	40.4	40.6	40.9	41.0	41.2	41.3	41.3	41.4	41.4	41.4	41.6	41.6	42.1	42.2
GE 9000	40.8	41.3	41.6	41.7	42.0	42.1	42.3	42.4	42.4	42.6	42.6	42.6	42.7	42.7	43.2	43.3
GE 8000	42.7	43.2	43.4	43.6	43.9	44.0	44.2	44.3	44.3	44.4	44.4	44.4	44.6	44.6	45.1	45.2
GE 7000	45.8	46.3	46.6	46.7	47.0	47.1	47.3	47.4	47.4	47.6	47.6	47.6	47.7	47.7	48.2	48.3
GE 6000	48.9	49.4	49.8	49.9	50.2	50.3	50.6	50.7	50.7	50.8	50.8	50.8	50.9	50.9	51.4	51.6
GE 5000	52.7	53.2	53.6	53.7	54.0	54.1	54.3	54.4	54.4	54.6	54.6	54.6	54.7	54.7	55.2	55.3
GE 4500	56.9	57.4	57.8	57.9	58.2	58.3	58.6	58.7	58.7	58.8	58.8	58.8	58.9	58.9	59.4	59.6
GE 4000	64.7	65.2	65.6	65.7	66.0	66.2	66.4	66.6	66.6	66.7	66.7	66.7	66.8	66.8	67.3	67.4
GE 3500	69.0	69.6	69.9	70.0	70.3	70.6	70.8	70.9	70.9	71.0	71.0	71.0	71.1	71.1	71.7	71.8
GE 3000	74.6	75.1	75.6	75.7	76.0	76.2	76.4	76.6	76.6	76.8	76.9	76.9	77.0	77.0	77.6	77.7
GE 2500	77.3	78.2	78.7	79.0	79.4	79.7	79.9	80.0	80.0	80.2	80.3	80.3	80.4	80.4	81.0	81.1
GE 2000	79.3	80.2	80.7	81.3	81.9	82.1	82.3	82.4	82.6	82.8	82.9	82.9	83.0	83.0	83.6	83.7
GE 1800	80.4	81.3	81.8	82.4	83.0	83.2	83.4	83.6	83.7	83.9	84.0	84.0	84.1	84.1	84.7	84.8
GE 1500	83.6	84.4	84.9	85.7	86.8	87.3	87.6	87.7	87.8	88.0	88.1	88.1	88.2	88.2	88.8	88.9
GE 1200	86.6	87.7	88.4	89.3	90.6	91.1	91.3	91.7	91.8	92.0	92.1	92.1	92.2	92.2	92.8	92.9
GE 1000	86.9	88.0	88.8	90.0	91.2	91.8	92.0	92.3	92.4	92.7	92.9	92.9	93.0	93.0	93.7	93.8
GE 900	87.1	88.2	89.1	90.4	91.7	92.3	92.6	92.9	93.0	93.2	93.4	93.4	93.7	93.7	94.3	94.4
GE 800	87.2	88.7	89.7	91.0	92.3	93.1	93.3	93.7	93.8	94.0	94.2	94.2	94.4	94.4	95.1	95.2
GE 700	87.4	88.9	90.0	91.4	92.8	93.6	93.8	94.1	94.2	94.4	94.7	94.7	94.9	94.9	95.6	95.7
GE 600	87.4	88.9	90.0	91.6	92.9	93.7	94.0	94.3	94.4	94.8	95.0	95.0	95.2	95.2	95.9	96.0
GE 500	87.7	89.1	90.2	91.8	93.4	94.2	95.0	95.4	95.6	95.9	96.1	96.1	96.3	96.3	97.0	97.1
GE 400	87.7	89.1	90.2	91.8	93.4	94.4	95.3	96.1	96.2	96.6	96.8	96.8	97.0	97.0	97.7	97.8
GE 300	87.8	89.2	90.3	91.9	93.6	94.6	95.6	96.3	96.4	96.9	97.3	97.3	98.0	98.0	98.8	99.0
GE 200	87.8	89.2	90.3	91.9	93.7	94.7	95.8	96.7	96.8	97.2	97.7	97.7	98.6	98.6	99.6	99.8
GE 100	87.8	89.2	90.3	91.9	93.7	94.7	95.8	96.7	96.8	97.2	97.7	97.7	98.7	98.7	99.7	100.0
GE 000	87.8	89.2	90.3	91.9	93.7	94.7	95.8	96.7	96.8	97.2	97.7	97.7	98.7	98.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.7	32.1	32.2	32.2	32.4	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 20000	36.9	37.3	37.4	37.4	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 18000	37.2	37.7	37.8	37.8	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 16000	37.2	37.7	37.8	37.8	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 14000	38.4	38.9	39.0	39.0	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 12000	40.2	40.7	40.8	40.8	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 10000	44.1	44.6	44.7	44.7	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 9000	45.4	45.9	46.0	46.0	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 8000	47.0	47.4	47.6	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 7000	49.4	50.0	50.1	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 6000	52.9	53.4	53.6	53.6	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
GE 5000	59.0	59.8	59.9	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 4500	61.6	62.3	62.4	62.4	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 4000	69.9	70.7	70.8	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 3500	74.4	75.3	75.4	75.4	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 3000	79.4	80.3	80.7	80.7	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 2500	83.3	84.6	84.9	85.0	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 2000	87.2	88.6	88.9	89.1	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 1800	88.3	89.7	90.1	90.3	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1500	90.1	91.7	92.3	92.8	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1200	92.0	93.8	94.4	95.0	95.8	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1000	92.8	94.6	95.3	96.0	96.8	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 900	92.8	94.7	95.6	96.2	97.1	97.7	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	92.8	94.7	95.6	96.3	97.2	97.8	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	92.8	94.7	95.7	96.4	97.3	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	92.9	94.8	95.8	96.6	97.6	98.1	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	92.9	94.8	95.8	96.8	97.8	98.3	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	92.9	94.8	95.8	96.8	97.8	98.3	98.9	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	92.9	94.8	95.8	96.8	97.8	98.4	99.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	92.9	94.8	95.8	96.8	97.8	98.4	99.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.9	94.8	95.8	96.8	97.8	98.4	99.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.9	94.8	95.8	96.8	97.8	98.4	99.0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 20000	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 18000	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 16000	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 14000	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 12000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 10000	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 9000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 8000	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 7000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 6000	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 5000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 4500	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 4000	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3500	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3000	88.6	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2500	91.9	92.1	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 2000	94.8	95.1	95.6	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	95.9	96.2	96.7	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1500	97.0	97.7	98.1	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	97.4	98.1	98.6	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	97.4	98.1	98.6	99.0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	97.4	98.1	98.6	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	97.4	98.1	98.6	99.0	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	97.4	98.1	98.6	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.4	98.1	98.6	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.4	98.1	98.6	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.4	98.1	98.6	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.4	98.1	98.6	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.4	98.1	98.6	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.4	98.1	98.6	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.4	98.1	98.6	99.0	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 20000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 18000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 16000	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 14000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 12000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 10000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 9000	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 8000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 7000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 6000	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 5000	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4500	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 4000	83.7	83.7	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 3500	87.7	87.8	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 3000	92.9	93.0	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 2500	95.4	95.6	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2000	96.8	96.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	97.2	97.3	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	97.6	97.7	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	97.9	98.0	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.0	98.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 20000	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 18000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 16000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 14000	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 12000	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 10000	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 9000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 8000	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 7000	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 6000	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 5000	74.4	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 4500	78.3	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 4000	84.9	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 3500	88.1	88.3	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3000	93.1	93.7	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	94.9	95.6	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2000	96.2	97.0	97.1	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	97.0	97.8	97.9	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	97.3	98.2	98.3	99.1	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	97.4	98.3	98.4	99.2	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.6	98.6	98.7	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 20000	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 18000	49.3	49.3	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 16000	49.4	49.4	49.4	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 14000	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 12000	51.9	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 10000	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 9000	56.6	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 8000	58.7	58.7	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 7000	62.0	62.0	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 6000	66.0	66.3	66.4	66.4	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 5000	71.0	71.4	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 4500	75.6	76.0	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 4000	83.6	84.0	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3500	87.2	87.7	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 3000	92.3	93.1	93.4	93.4	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 2500	94.1	95.0	95.3	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2000	95.9	97.0	97.3	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	96.2	97.3	97.7	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	96.8	98.1	98.6	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	97.1	98.4	99.0	99.1	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	97.2	98.6	99.1	99.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	97.2	98.6	99.1	99.2	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	97.2	98.6	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.2	98.6	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.2	98.6	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.2	98.6	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.2	98.6	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.2	98.6	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.2	98.6	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.2	98.6	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.2	98.6	99.1	99.2	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.1	36.3	36.3	36.4	36.4	36.5	36.5	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.7	36.7
GE 20000	42.5	42.7	42.7	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.1	43.1	43.1	43.2
GE 18000	42.8	43.0	43.1	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.4	43.5	43.5
GE 16000	42.9	43.2	43.2	43.3	43.3	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.6	43.6
GE 14000	44.0	44.3	44.3	44.3	44.4	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.7	44.7
GE 12000	46.4	46.6	46.6	46.7	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.1	47.1
GE 10000	49.2	49.4	49.5	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.9	49.9
GE 9000	50.3	50.5	50.6	50.7	50.7	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0
GE 8000	52.3	52.5	52.6	52.7	52.7	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0
GE 7000	55.4	55.6	55.7	55.8	55.8	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.2
GE 6000	59.5	59.8	59.9	60.0	60.0	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3	60.3
GE 5000	64.9	65.3	65.4	65.5	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.9	65.9
GE 4500	69.3	69.7	69.8	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.3	70.3
GE 4000	76.9	77.3	77.4	77.5	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.9	77.9	78.0	78.0
GE 3500	81.3	81.7	81.8	82.0	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4
GE 3000	86.8	87.3	87.6	87.8	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.2	88.3
GE 2500	89.4	90.1	90.4	90.7	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.2	91.2
GE 2000	91.4	92.2	92.6	93.0	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.7
GE 1800	92.3	93.1	93.5	93.9	94.1	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.6	94.6
GE 1500	93.4	94.4	94.8	95.3	95.8	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.3	96.3
GE 1200	94.6	95.7	96.2	96.8	97.3	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.9	97.9
GE 1000	94.8	95.9	96.5	97.1	97.6	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.2	98.2	98.3	98.3
GE 900	94.9	96.0	96.7	97.3	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.5	98.6
GE 800	94.9	96.1	96.8	97.4	97.9	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.7	98.8
GE 700	95.0	96.1	96.8	97.5	98.0	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.8	98.9
GE 600	95.0	96.2	96.9	97.5	98.1	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	99.0	99.0
GE 500	95.0	96.2	97.0	97.6	98.3	98.5	98.8	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.3	99.3
GE 400	95.0	96.2	97.0	97.7	98.3	98.6	98.9	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.5	99.5
GE 300	95.0	96.2	97.0	97.7	98.3	98.7	99.0	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.8	99.8
GE 200	95.0	96.2	97.0	97.7	98.3	98.7	99.0	99.3	99.3	99.5	99.5	99.5	99.7	99.7	99.9	99.9
GE 100	95.0	96.2	97.0	97.7	98.3	98.7	99.0	99.3	99.3	99.5	99.5	99.5	99.7	99.7	99.9	100.0
GE 000	95.0	96.2	97.0	97.7	98.3	98.7	99.0	99.3	99.3	99.5	99.5	99.5	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
GE 20000	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
GE 18000	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 16000	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 14000	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 12000	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 10000	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 9000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 8000	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 7000	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 6000	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 5000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4500	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 4000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 3500	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 3000	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2500	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2000	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	98.9	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VEPUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	31.7	31.7	31.7	31.8	31.8	31.3	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 20000	34.6	34.6	34.6	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 18000	34.9	34.9	34.9	35.1	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GE 16000	35.2	35.2	35.2	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
GE 14000	35.8	35.8	35.8	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
GE 12000	38.2	38.2	38.2	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 10000	40.4	40.5	40.5	40.6	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 9000	42.0	42.2	42.2	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 8000	43.4	43.5	43.5	43.7	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 7000	46.5	46.6	46.6	46.7	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 6000	52.9	53.0	53.0	53.1	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 5000	60.1	60.2	60.2	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 4500	65.4	65.5	65.5	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 4000	74.2	74.3	74.3	74.4	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3500	79.9	80.1	80.1	80.3	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3000	86.7	87.0	87.1	87.4	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2500	90.3	90.8	91.0	91.3	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 2000	93.7	94.1	94.4	94.7	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	94.5	95.1	95.4	95.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	95.8	96.5	96.9	97.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1200	96.2	97.0	97.4	98.0	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	96.8	97.6	98.1	98.6	98.7	98.8	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	97.1	98.0	98.4	98.9	99.0	99.1	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	97.1	98.0	98.5	99.0	99.1	99.2	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	97.1	98.1	98.6	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	97.1	98.1	98.6	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	97.1	98.1	98.6	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	97.1	98.1	98.6	99.1	99.2	99.4	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	97.1	98.1	98.7	99.2	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.1	98.1	98.7	99.2	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.1	98.1	98.7	99.2	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.1	98.1	98.7	99.2	99.4	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	26.3	26.3	26.3	26.3	26.3	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
GE 20000	31.5	31.5	31.5	31.5	31.5	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
GE 18000	31.8	31.8	31.8	31.8	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 16000	31.8	31.8	31.8	31.8	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 14000	33.0	33.0	33.0	33.0	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GE 12000	34.8	34.8	34.8	34.8	34.8	34.9	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
GE 10000	37.0	37.0	37.0	37.0	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 9000	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 8000	39.6	39.6	39.6	39.6	39.6	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 7000	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
GE 6000	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
GE 5000	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 4500	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 4000	68.7	68.8	68.8	68.8	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 3500	75.4	75.5	75.5	75.5	75.5	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 3000	82.2	82.3	82.3	82.3	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 2500	87.1	87.3	87.3	87.3	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 2000	90.2	90.6	90.8	90.9	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1800	91.6	92.2	92.3	92.5	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1500	92.8	93.5	93.7	93.9	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1200	94.6	95.4	95.5	95.8	96.1	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	95.1	95.8	96.1	96.5	96.8	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 900	95.6	96.3	96.7	97.0	97.3	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	95.7	96.6	96.9	97.2	97.6	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 700	95.9	96.8	97.1	97.4	97.8	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 600	96.1	97.0	97.4	97.7	98.3	98.6	99.2	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 500	96.1	97.0	97.4	97.7	98.3	98.6	99.2	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 400	96.1	97.0	97.4	97.7	98.3	98.6	99.2	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8
GE 300	96.1	97.0	97.4	97.7	98.4	98.7	99.4	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	96.1	97.0	97.4	97.7	98.4	98.7	99.4	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	96.1	97.0	97.4	97.7	98.4	98.7	99.4	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	96.1	97.0	97.4	97.7	98.4	98.7	99.4	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
GE 20000	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 18000	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 16000	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
GE 14000	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 12000	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 10000	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 9000	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 8000	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 7000	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 6000	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 5000	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 4500	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 4000	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 3500	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3000	85.6	85.6	85.7	85.7	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500	90.4	90.5	90.6	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 2000	94.3	94.4	94.6	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 1800	95.5	95.6	95.9	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	97.4	97.7	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	98.2	98.5	98.8	98.9	99.0	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	98.4	98.8	99.1	99.4	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	98.6	99.0	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.6	99.0	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.6	99.0	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.6	99.0	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.6	99.0	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.6	99.0	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.6	99.0	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.6	99.0	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.6	99.0	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.6	99.0	99.4	99.6	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 20000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 18000	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 14000	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 12000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 10000	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 9000	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 8000	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 7000	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 6000	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 5000	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 4500	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 4000	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 3500	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 3000	94.2	94.6	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 2500	96.5	97.0	97.1	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	97.6	98.2	98.3	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	98.0	98.5	98.7	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	98.2	98.7	98.9	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.4	98.9	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
GE 20000	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 18000	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 16000	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 14000	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 12000	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 10000	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 9000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 8000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 7000	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 6000	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 5000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 4500	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 4000	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 3500	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3000	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2500	97.5	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	98.0	98.4	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	98.2	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	98.2	98.6	98.8	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	98.5	98.9	99.1	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.5	98.9	99.1	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
GE 20000	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 18000	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
GE 16000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 14000	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 12000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 10000	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 9000	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 8000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 7000	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 6000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 5000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 4500	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 4000	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 3500	92.6	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 3000	95.6	95.8	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2500	97.7	98.0	98.1	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	98.3	98.6	98.7	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	98.3	98.6	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	98.7	99.0	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.9	99.2	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.9	99.2	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 20000	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 18000	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 16000	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 12000	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 10000	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 9000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 8000	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 7000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 6000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 5000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 4500	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 4000	88.8	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 3500	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 3000	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2500	97.5	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.5	35.5	35.5	35.5	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 20000	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 18000	41.0	41.0	41.0	41.0	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
GE 16000	41.2	41.2	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 14000	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
GE 12000	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 10000	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 9000	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 8000	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 7000	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 6000	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 5000	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 4500	71.6	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 4000	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 3500	85.2	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3000	91.4	91.7	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2500	94.1	94.5	94.6	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2000	96.0	96.4	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1800	96.6	97.0	97.2	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	97.4	97.9	98.1	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	97.8	98.4	98.6	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	98.0	98.5	98.8	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	98.2	98.7	99.0	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	98.2	98.8	99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	98.2	98.8	99.1	99.3	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	98.2	98.8	99.1	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.2	98.8	99.1	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.2	98.8	99.1	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	98.2	98.8	99.1	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.8	99.1	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.8	99.1	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.8	99.1	99.4	99.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 20000	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 18000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 16000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 14000	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 12000	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 10000	55.9	55.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 9000	56.3	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 8000	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 7000	59.7	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 6000	66.2	66.2	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 5000	71.8	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 4500	76.4	76.4	76.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 4000	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3500	86.2	86.3	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 3000	90.1	90.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2500	92.8	92.9	92.9	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 2000	94.3	94.6	94.6	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1800	95.4	95.7	95.8	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	96.8	97.3	97.4	97.9	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	97.1	97.8	97.9	98.4	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	97.2	97.9	98.0	98.6	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	97.2	97.9	98.1	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	97.2	97.9	98.2	98.8	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	97.2	97.9	98.3	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	97.2	98.0	98.4	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	97.2	98.0	98.4	99.0	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	97.3	98.2	98.8	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.3	98.2	98.8	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	97.3	98.2	98.8	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	97.3	98.2	98.8	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	97.3	98.2	98.8	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.1
GE 20000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.6
GE 18000	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7
GE 16000	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8
GE 14000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2
GE 12000	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3
GE 10000	48.8	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1
GE 9000	50.3	50.3	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.8
GE 8000	51.6	51.6	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0
GE 7000	54.3	54.3	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8
GE 6000	58.7	58.7	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1
GE 5000	64.6	64.6	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0
GE 4500	69.1	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6
GE 4000	75.9	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3
GE 3500	80.0	80.0	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4
GE 3000	85.3	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0
GE 2500	87.9	88.2	88.4	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0
GE 2000	90.0	90.3	90.8	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4
GE 1800	91.1	91.4	91.9	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.6
GE 1500	92.8	93.4	94.1	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
GE 1200	94.2	95.3	96.1	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2
GE 1000	94.8	95.9	96.7	97.4	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0
GE 900	95.1	96.2	97.0	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
GE 800	95.1	96.2	97.0	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
GE 700	95.1	96.3	97.1	98.1	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
GE 600	95.1	96.3	97.1	98.1	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 500	95.1	96.3	97.1	98.1	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
GE 400	95.3	96.6	97.3	98.3	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.7
GE 300	95.3	96.6	97.3	98.3	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.8
GE 200	95.3	96.6	97.3	98.3	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.8
GE 100	95.3	96.6	97.3	98.3	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	100.0
GE 000	95.3	96.6	97.3	98.3	98.8	98.8	99.3	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
GE 20000	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 18000	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 16000	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4
GE 14000	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 12000	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7
GE 10000	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 9000	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 8000	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 7000	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 6000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 5000	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 4500	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 4000	69.9	69.9	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3500	73.4	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 3000	78.7	78.8	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 2500	81.4	81.6	81.7	82.1	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 2000	85.8	86.2	86.6	87.2	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 1800	87.7	88.1	88.4	89.2	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1500	90.8	91.2	91.7	92.4	92.6	92.6	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1200	93.3	93.8	94.3	95.4	95.6	95.7	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1000	94.2	94.8	95.6	96.7	96.8	96.9	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 900	95.1	95.7	96.4	97.7	97.9	98.0	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 800	95.2	95.8	96.6	97.8	98.0	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	95.3	95.9	96.7	97.9	98.1	98.2	98.3	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	95.7	96.2	97.0	98.4	98.7	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	95.7	96.2	97.0	98.4	98.7	98.8	98.9	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	95.7	96.2	97.0	98.4	98.7	98.8	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 300	95.7	96.2	97.0	98.4	98.7	98.8	99.3	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9
GE 200	95.7	96.2	97.0	98.4	98.7	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	95.7	96.2	97.0	98.4	98.7	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	95.7	96.2	97.0	98.4	98.7	98.8	99.3	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GE 20000	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 18000	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 16000	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
GE 14000	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 12000	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 10000	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 9000	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 8000	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 7000	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 6000	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 5000	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 4500	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 4000	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 3500	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 3000	82.4	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 2500	88.7	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2000	92.7	93.1	93.2	93.6	93.6	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 1800	93.6	94.0	94.1	94.4	94.4	94.4	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1500	95.8	96.2	96.4	96.8	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1200	97.2	97.7	98.0	98.6	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	97.4	97.9	98.2	98.9	99.1	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	97.4	97.9	98.2	99.0	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	97.6	98.0	98.3	99.1	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	97.6	98.0	98.3	99.1	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.6	98.0	98.3	99.1	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	97.6	98.0	98.3	99.1	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.6	98.0	98.3	99.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.6	98.0	98.3	99.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.6	98.0	98.3	99.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.6	98.0	98.3	99.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.6	98.0	98.3	99.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 20000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 18000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 16000	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 14000	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 12000	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 10000	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 9000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 8000	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 7000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 6000	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 5000	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 4500	79.4	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4000	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 3500	88.3	88.3	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 3000	93.6	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	96.3	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	98.1	98.3	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	98.4	98.7	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	98.7	98.9	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.0	99.3	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 20000	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 18000	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 16000	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 14000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 12000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 10000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 9000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 8000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 7000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 6000	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 5000	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 4500	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 4000	92.4	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3500	94.0	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 3000	96.4	96.8	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2500	97.1	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	98.3	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	98.8	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 20000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 18000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 16000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 14000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 12000	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 10000	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 9000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 8000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 7000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 6000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 5000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 4500	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 4000	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 3500	93.9	93.9	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 3000	95.6	95.6	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	96.8	96.8	97.4	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	97.0	97.0	97.8	97.9	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	97.3	97.3	98.3	98.4	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	97.6	97.6	98.6	98.7	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	97.7	97.7	98.7	98.9	99.3	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	97.8	97.8	98.8	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	97.8	97.8	98.8	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	97.8	97.8	98.8	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	97.8	97.8	98.8	99.0	99.4	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.8	97.8	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.8	97.8	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.8	97.8	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.8	97.8	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.8	97.8	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.8	97.8	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.8	97.8	98.8	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 20000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 18000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 16000	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 14000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 12000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 10000	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 9000	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 8000	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 7000	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 6000	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 5000	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 4500	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 4000	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3500	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 3000	94.4	94.6	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 2500	96.1	96.3	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	96.8	97.0	97.3	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1800	97.2	97.4	97.8	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1500	97.6	97.8	98.1	98.4	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	97.9	98.2	98.6	99.0	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.9	98.2	98.6	99.0	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.7
GE 20000	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 18000	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 16000	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2
GE 14000	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 12000	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8
GE 10000	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9
GE 9000	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 8000	57.5	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 7000	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 6000	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 5000	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 4500	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 4000	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
GE 3500	85.7	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 3000	89.6	89.7	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2
GE 2500	92.1	92.3	92.5	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 2000	94.1	94.4	94.7	95.0	95.1	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1800	94.9	95.2	95.6	95.9	96.0	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1500	96.1	96.4	96.8	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
GE 1200	96.9	97.4	97.8	98.3	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	97.2	97.6	98.1	98.6	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	97.3	97.8	98.3	98.8	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	97.3	97.8	98.3	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	97.3	97.8	98.4	98.9	99.2	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
GE 600	97.4	97.9	98.4	99.0	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	97.4	97.9	98.4	99.0	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	97.4	98.0	98.5	99.1	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.4	98.0	98.5	99.1	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	97.4	98.0	98.5	99.1	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 100	97.4	98.0	98.5	99.1	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 000	97.4	98.0	98.5	99.1	99.4	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 20000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 18000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 16000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 14000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 12000	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 10000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 9000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 8000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 7000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 6000	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 5000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 4500	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 4000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 3500	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 3000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2500	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2000	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1800	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.1	50.1	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4
GE 20000	52.2	52.2	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5
GE 18000	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6
GE 16000	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7
GE 14000	53.2	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5
GE 12000	54.4	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7
GE 10000	55.7	55.7	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0
GE 9000	56.2	56.2	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6
GE 8000	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4
GE 7000	59.1	59.1	59.2	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.5
GE 6000	61.9	62.0	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4
GE 5000	65.5	65.6	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9
GE 4500	69.2	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7
GE 4000	76.0	76.1	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.5
GE 3500	79.7	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1
GE 3000	84.8	84.9	85.1	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4
GE 2500	87.7	87.8	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4
GE 2000	91.3	91.4	91.7	91.7	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 1800	93.5	93.8	94.1	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6
GE 1500	94.9	95.2	95.5	95.6	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2
GE 1200	95.8	96.0	96.3	96.5	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
GE 1000	96.5	96.8	97.1	97.2	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8
GE 900	97.0	97.4	97.8	98.0	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6
GE 800	97.1	97.5	98.0	98.1	98.4	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8
GE 700	97.2	97.6	98.2	98.4	98.7	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 600	97.2	97.7	98.4	98.6	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.5
GE 500	97.3	97.8	98.5	98.7	99.0	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6
GE 400	97.3	97.8	98.5	98.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7
GE 300	97.3	97.8	98.5	98.8	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	100.0
GE 200	97.3	97.8	98.5	98.8	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	100.0
GE 100	97.3	97.8	98.5	98.8	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	100.0
GE 000	97.3	97.8	98.5	98.8	99.1	99.2	99.4	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 20000	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 18000	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 16000	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 14000	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 12000	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 10000	47.7	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 9000	48.2	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 8000	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 7000	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 6000	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 5000	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 4500	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 4000	67.4	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 3500	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 3000	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 2500	79.4	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 2000	83.8	84.5	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1800	86.0	86.8	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 1500	88.7	89.5	89.8	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 1200	91.5	92.5	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1000	92.7	93.8	94.4	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 900	93.4	94.5	95.2	95.6	95.7	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 800	93.5	94.6	95.4	95.9	96.0	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 700	93.9	94.9	96.0	96.6	96.8	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 600	94.0	95.1	96.2	97.0	97.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 500	94.1	95.3	96.5	97.6	98.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	94.2	95.4	96.6	97.7	98.5	98.9	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	94.2	95.4	96.6	97.7	98.5	98.9	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	94.2	95.4	96.6	97.7	98.5	98.9	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	94.2	95.4	96.6	97.7	98.5	98.9	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	94.2	95.4	96.6	97.7	98.5	98.9	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 20000	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
GE 16000	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 14000	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 12000	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 10000	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 9000	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 8000	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 7000	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 6000	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 5000	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 4500	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 4000	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 3500	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 3000	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 2500	85.3	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 2000	90.1	90.1	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1800	92.8	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 1500	95.5	95.7	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 1200	97.4	97.7	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	97.5	98.0	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	97.7	98.4	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	97.7	98.4	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	97.7	98.4	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.7	98.4	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.7	98.4	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.7	98.4	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.7	98.4	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.7	98.4	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.7	98.4	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.7	98.4	99.2	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 20000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 18000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 16000	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 14000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 12000	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 10000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 9000	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 8000	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 7000	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 6000	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 5000	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 4500	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4000	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 3500	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 3000	93.4	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 2500	96.2	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000	98.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1800	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	99.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.4	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 20000	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 18000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 16000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 14000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 12000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 10000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 9000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 8000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 7000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 6000	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 5000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4500	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 4000	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3500	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2500	98.2	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2000	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	99.0	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 20000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 18000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 16000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 14000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 12000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 10000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 9000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 8000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 7000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 6000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 5000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 4500	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 4000	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3500	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3000	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2000	99.0	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	99.1	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.1	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.2	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 20000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 18000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 16000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 14000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 12000	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 10000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 9000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 8000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 7000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 6000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 5000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 4500	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 4000	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 3500	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2500	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	98.8	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	98.9	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	99.1	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 20000	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 18000	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 16000	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 14000	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4
GE 12000	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 10000	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 9000	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 8000	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 7000	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 6000	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 5000	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 4500	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 4000	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 3500	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 3000	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 2500	92.2	92.3	92.4	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 2000	94.6	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2
GE 1800	95.8	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4	96.4
GE 1500	96.8	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1200	97.7	98.0	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1000	97.9	98.3	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 900	98.1	98.6	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	98.1	98.6	98.9	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	98.2	98.7	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
GE 600	98.2	98.7	99.1	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	98.3	98.8	99.2	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	98.3	98.8	99.2	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 300	98.3	98.8	99.2	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
GE 200	98.3	98.8	99.2	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	98.3	98.8	99.2	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	98.3	98.8	99.2	99.5	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 20000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 18000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 16000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 14000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 12000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 10000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 9000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 8000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 7000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 6000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 5000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 4500	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 4000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 3500	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	98.7	98.7	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	98.8	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	99.1	99.1	99.4	99.4	99.5	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.2	99.2	99.5	99.5	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.4	99.6	99.6	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.7	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 20000	58.5	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 18000	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 16000	58.9	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 14000	59.4	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 12000	61.8	61.9	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 10000	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 9000	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 8000	64.4	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 7000	65.6	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 6000	67.4	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 5000	70.8	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4500	74.7	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 4000	79.1	79.2	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3500	82.5	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3000	86.5	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 2500	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 2000	91.3	91.5	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 1800	92.5	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	93.7	94.0	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1200	95.4	95.7	95.8	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1000	96.5	97.0	97.1	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 900	97.0	97.5	97.6	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	97.2	97.7	98.0	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	97.6	98.2	98.4	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	97.6	98.3	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	97.6	98.3	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	97.6	98.3	98.5	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	97.6	98.3	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	97.6	98.3	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	97.6	98.3	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.6	98.3	98.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.3	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 20000	49.6	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 18000	49.6	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 16000	49.8	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 14000	50.3	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 12000	51.7	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 10000	53.0	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 9000	54.1	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 8000	54.8	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 7000	55.7	56.2	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 6000	57.2	57.7	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 5000	60.8	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 4500	63.2	63.9	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 4000	69.1	69.8	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 3500	71.4	72.0	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 3000	75.8	76.5	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 2500	78.1	78.7	78.9	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 2000	81.5	82.2	82.4	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 1800	83.8	84.5	84.7	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1500	86.0	86.9	87.2	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1200	89.1	90.2	90.6	91.1	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 1000	90.4	91.5	91.9	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 900	91.6	92.8	93.2	93.8	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 800	92.0	93.5	94.3	94.9	95.7	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 700	92.4	94.0	94.9	95.7	96.5	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 600	92.7	94.5	95.7	96.8	97.6	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 500	92.7	94.6	95.8	97.0	97.8	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	92.7	94.6	95.8	97.1	98.2	98.4	98.8	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	92.7	94.6	95.8	97.1	98.2	98.4	98.8	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	92.7	94.6	95.8	97.1	98.3	98.5	98.9	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	92.7	94.6	95.8	97.1	98.3	98.5	98.9	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	92.7	94.6	95.8	97.1	98.3	98.5	98.9	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.9	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 20000	56.2	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 18000	56.2	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 16000	56.2	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 14000	56.8	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 12000	58.5	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 10000	59.9	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 9000	60.8	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 8000	61.1	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	61.8	62.4	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 6000	63.5	64.1	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 5000	66.1	66.8	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 4500	69.2	69.9	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 4000	73.3	74.0	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 3500	75.6	76.2	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 3000	80.3	81.0	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2500	84.2	84.8	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 2000	88.5	89.1	89.7	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1800	91.0	91.6	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1500	93.2	93.9	94.6	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 1200	94.7	95.6	96.3	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1000	95.4	96.5	97.4	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 900	95.5	96.8	97.7	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	95.6	97.0	98.0	98.9	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	95.6	97.3	98.3	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	95.6	97.3	98.3	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	95.6	97.3	98.3	99.2	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	95.6	97.3	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	95.6	97.3	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	95.6	97.3	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	95.6	97.3	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	95.6	97.3	98.3	99.4	99.7	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 20000	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 18000	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 16000	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 14000	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 12000	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 10000	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 9000	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 8000	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 7000	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 6000	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 5000	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 4500	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 4000	88.8	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 3500	90.3	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 3000	94.0	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2500	96.1	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 2000	97.4	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	97.7	98.2	98.4	98.6	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1500	98.0	98.4	98.7	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1200	98.3	98.7	99.0	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	98.3	98.7	99.0	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.3	98.7	99.0	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.3	98.7	99.0	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.3	98.7	99.0	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.3	98.7	99.0	99.6	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.3	98.7	99.0	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.3	98.7	99.0	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.3	98.7	99.0	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.3	98.7	99.0	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.3	98.7	99.0	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.3	98.7	99.0	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 20000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 18000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 16000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 14000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 12000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 10000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 9000	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 8000	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 7000	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 6000	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 5000	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4500	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 4000	95.5	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3500	96.2	96.3	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3000	97.7	97.8	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	98.6	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2000	98.6	98.8	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	98.8	99.0	99.0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	99.0	99.2	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	99.0	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	99.0	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	99.1	99.5	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	99.1	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.1	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.1	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.1	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.1	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.1	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.1	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.1	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.1	99.5	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 20000	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 18000	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 16000	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 14000	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 12000	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 10000	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 9000	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 8000	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 7000	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 6000	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 5000	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 4500	92.3	92.4	92.4	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4000	96.5	96.6	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3500	97.5	97.6	97.6	97.7	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	98.6	98.7	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 2500	98.8	98.9	98.9	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	98.8	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1800	98.8	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1500	98.8	99.1	99.1	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.8	99.1	99.1	99.4	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 20000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 18000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 16000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 14000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 12000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 10000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 9000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 8000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 7000	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 6000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 5000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 4500	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4000	94.6	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3500	95.5	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3000	97.1	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	98.0	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	99.0	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	99.2	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	99.2	99.6	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	99.4	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	99.4	99.7	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 20000	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 18000	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 16000	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 14000	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 12000	69.0	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 10000	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 9000	70.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 8000	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 7000	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 6000	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 5000	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 4500	81.6	81.9	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 4000	86.0	86.2	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 3500	87.8	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 3000	90.8	91.0	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 2500	92.4	92.7	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 2000	94.2	94.5	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 1800	95.0	95.4	95.6	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1500	95.8	96.2	96.4	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 1200	96.7	97.2	97.4	97.7	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	97.1	97.6	97.9	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	97.4	97.9	98.2	98.5	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	97.5	98.1	98.4	98.8	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	97.6	98.2	98.6	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	97.6	98.3	98.7	99.2	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	97.6	98.3	98.7	99.2	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	97.6	98.3	98.7	99.2	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.6	98.3	98.7	99.2	99.6	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	97.6	98.3	98.7	99.2	99.6	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.6	98.3	98.7	99.2	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	97.6	98.3	98.7	99.2	99.6	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.6	59.9	60.2	60.3	60.3	60.3	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.9	60.9
GE 20000	64.1	64.4	64.8	64.9	64.9	64.9	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.4	65.4
GE 18000	64.3	64.7	65.0	65.1	65.1	65.1	65.3	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.7	65.7
GE 16000	64.3	64.7	65.0	65.1	65.1	65.1	65.3	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.7	65.7
GE 14000	64.4	64.8	65.1	65.2	65.2	65.2	65.4	65.4	65.4	65.7	65.7	65.7	65.7	65.7	65.8	65.8
GE 12000	65.8	66.1	66.4	66.6	66.6	66.6	66.8	66.8	66.8	67.0	67.0	67.0	67.0	67.0	67.1	67.1
GE 10000	67.2	67.6	67.9	68.3	68.3	68.3	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.9	68.9
GE 9000	68.0	68.3	68.7	69.1	69.1	69.1	69.3	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.7	69.7
GE 8000	68.9	69.2	69.6	70.0	70.0	70.0	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.6	70.6
GE 7000	72.7	73.0	73.3	73.8	73.8	73.8	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.3	74.3
GE 6000	75.1	75.4	75.8	76.2	76.2	76.2	76.4	76.4	76.4	76.7	76.7	76.7	76.7	76.7	76.8	76.8
GE 5000	79.1	79.4	79.8	80.2	80.2	80.2	80.4	80.4	80.4	80.7	80.7	80.7	80.7	80.7	80.8	80.8
GE 4500	81.4	81.8	82.1	82.6	82.6	82.6	82.8	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.1	83.1
GE 4000	85.3	85.7	86.0	86.4	86.4	86.4	86.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	87.0	87.0
GE 3500	87.0	87.3	87.7	88.1	88.1	88.1	88.3	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.7	88.7
GE 3000	89.9	90.2	90.9	91.4	91.4	91.4	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	92.0	92.0
GE 2500	91.2	91.6	92.3	92.9	92.9	92.9	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.4	93.4
GE 2000	92.9	93.2	94.0	94.6	94.6	94.6	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.1	95.1
GE 1800	93.2	93.6	94.4	95.0	95.0	95.0	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.6	95.6
GE 1500	94.7	95.0	95.9	96.4	96.4	96.4	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	97.0	97.0
GE 1200	95.1	95.4	96.4	97.0	97.0	97.0	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.6	97.6
GE 1000	95.3	95.7	96.7	97.2	97.4	97.4	97.7	97.7	97.7	97.9	97.9	97.9	97.9	97.9	98.2	98.2
GE 900	95.8	96.1	97.1	97.7	97.9	97.9	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.7	98.7
GE 800	95.9	96.3	97.3	97.9	98.1	98.1	98.3	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.9	98.9
GE 700	96.2	96.7	97.7	98.3	98.6	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.3	99.3
GE 600	96.2	96.7	97.7	98.3	98.7	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.4	99.4
GE 500	96.2	96.7	97.7	98.3	98.7	98.9	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.7	99.7
GE 400	96.2	96.7	97.7	98.3	98.7	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.8	99.8
GE 300	96.2	96.7	97.7	98.4	98.8	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.9	100.0
GE 200	96.2	96.7	97.7	98.4	98.8	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.9	100.0
GE 100	96.2	96.7	97.7	98.4	98.8	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.9	100.0
GE 000	96.2	96.7	97.7	98.4	98.8	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.4	50.1	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.4	51.4
GE 20000	52.0	52.7	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.0
GE 18000	52.1	52.8	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.1	54.1
GE 16000	52.3	53.0	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.3
GE 14000	52.6	53.2	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.6	54.6
GE 12000	54.0	54.7	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0
GE 10000	56.3	57.0	57.9	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.6	58.6
GE 9000	56.8	57.4	58.3	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0
GE 8000	57.2	57.9	58.8	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.4
GE 7000	61.0	61.7	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2	63.2
GE 6000	62.2	62.9	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.4	64.4
GE 5000	67.3	68.0	68.9	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.6	69.6
GE 4500	69.9	70.6	71.4	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.1	72.1
GE 4000	73.9	74.7	75.6	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.2	76.2
GE 3500	77.1	78.0	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.6	79.6
GE 3000	80.2	81.1	82.0	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.8	82.8
GE 2500	81.9	82.9	84.0	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.8	84.8
GE 2000	83.3	84.3	85.4	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.4	86.4
GE 1800	83.9	84.9	86.0	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.2	87.2
GE 1500	85.8	86.8	87.9	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.1	89.1
GE 1200	87.7	88.8	90.0	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.4	91.4
GE 1000	89.2	90.7	91.9	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.4	93.4
GE 900	90.2	91.8	93.0	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.6	94.6
GE 800	90.3	92.0	93.2	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.9	94.9
GE 700	90.7	92.4	94.0	95.1	95.4	95.4	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.3	96.3
GE 600	90.8	92.8	94.4	95.6	96.2	96.2	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	97.2	97.2
GE 500	90.8	92.9	95.0	96.2	97.0	97.0	97.3	97.4	97.4	97.8	97.8	97.8	97.8	97.8	98.1	98.1
GE 400	90.8	92.9	95.0	96.2	97.0	97.0	97.4	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.3	98.3
GE 300	90.8	92.9	95.1	96.3	97.1	97.1	97.9	98.2	98.3	98.8	98.8	98.8	98.8	98.8	99.2	99.2
GE 200	90.8	92.9	95.1	96.4	97.2	97.2	98.0	98.3	98.4	99.0	99.0	99.0	99.1	99.1	99.6	99.6
GE 100	90.8	92.9	95.1	96.4	97.2	97.2	98.0	98.3	98.4	99.0	99.0	99.0	99.1	99.1	99.7	100.0
GE 000	90.8	92.9	95.1	96.4	97.2	97.2	98.0	98.3	98.4	99.0	99.0	99.0	99.1	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.6	38.8	39.3	40.2	40.7	40.7	41.0	41.1	41.1	41.2	41.3	41.3	41.4	41.4	41.7	41.7
GE 20000	40.3	40.6	41.1	42.1	42.6	42.6	42.9	43.0	43.0	43.1	43.2	43.2	43.3	43.3	43.6	43.6
GE 18000	40.4	40.7	41.2	42.2	42.7	42.7	43.0	43.1	43.1	43.2	43.3	43.3	43.4	43.4	43.7	43.7
GE 16000	40.4	40.7	41.2	42.2	42.7	42.7	43.0	43.1	43.1	43.2	43.3	43.3	43.4	43.4	43.7	43.7
GE 14000	40.9	41.1	41.7	42.7	43.1	43.1	43.4	43.6	43.6	43.7	43.8	43.8	43.9	43.9	44.1	44.1
GE 12000	42.3	42.7	43.2	44.2	44.8	44.8	45.1	45.2	45.2	45.3	45.4	45.4	45.6	45.6	45.8	45.8
GE 10000	43.7	44.0	44.7	45.7	46.2	46.2	46.6	46.7	46.7	46.8	46.9	46.9	47.0	47.0	47.2	47.2
GE 9000	44.1	44.4	45.1	46.1	46.7	46.7	47.0	47.1	47.1	47.2	47.3	47.3	47.4	47.4	47.7	47.7
GE 8000	45.3	45.7	46.3	47.3	47.9	47.9	48.2	48.3	48.3	48.4	48.6	48.6	48.7	48.7	48.9	48.9
GE 7000	48.3	48.7	49.3	50.3	50.9	50.9	51.2	51.3	51.3	51.4	51.6	51.6	51.7	51.7	51.9	51.9
GE 6000	52.0	52.3	53.0	54.0	54.6	54.6	54.9	55.0	55.0	55.1	55.2	55.2	55.3	55.3	55.6	55.6
GE 5000	56.2	56.6	57.2	58.2	58.8	58.8	59.1	59.2	59.2	59.3	59.4	59.4	59.6	59.6	59.8	59.8
GE 4500	58.9	59.2	59.9	60.9	61.4	61.4	61.8	61.9	61.9	62.0	62.1	62.1	62.2	62.2	62.4	62.4
GE 4000	63.6	63.9	64.6	65.6	66.1	66.1	66.4	66.6	66.6	66.7	66.8	66.8	66.9	66.9	67.1	67.1
GE 3500	67.7	68.0	68.7	69.7	70.2	70.2	70.6	70.7	70.7	70.8	70.9	70.9	71.0	71.0	71.2	71.2
GE 3000	71.3	71.8	72.4	73.6	74.1	74.2	74.6	74.7	74.7	74.8	74.9	74.9	75.0	75.0	75.2	75.2
GE 2500	72.7	73.1	73.8	75.3	75.9	76.0	76.3	76.4	76.4	76.6	76.7	76.7	76.8	76.8	77.0	77.0
GE 2000	74.0	74.6	75.3	76.9	77.4	77.6	77.9	78.0	78.0	78.1	78.2	78.2	78.3	78.3	78.6	78.6
GE 1800	74.8	75.3	76.2	77.9	78.4	78.6	78.9	79.0	79.0	79.1	79.2	79.2	79.3	79.3	79.6	79.6
GE 1500	76.7	77.4	78.6	80.3	81.1	81.2	81.7	81.8	81.8	81.9	82.0	82.0	82.1	82.1	82.3	82.3
GE 1200	79.0	80.0	81.2	83.4	84.3	84.6	85.0	85.1	85.1	85.2	85.3	85.3	85.4	85.4	85.7	85.7
GE 1000	80.6	81.9	83.7	86.0	87.1	87.3	87.8	87.9	87.9	88.0	88.1	88.1	88.2	88.2	88.4	88.4
GE 900	81.0	82.4	84.7	87.2	88.6	88.8	89.2	89.3	89.3	89.4	89.6	89.6	89.7	89.7	89.9	89.9
GE 800	81.3	82.8	85.2	87.8	89.1	89.4	90.2	90.3	90.3	90.4	90.6	90.6	90.7	90.7	90.9	90.9
GE 700	81.4	83.3	86.1	88.8	90.4	91.0	91.9	92.1	92.1	92.2	92.3	92.3	92.4	92.4	92.7	92.7
GE 600	81.7	83.8	86.7	89.4	91.3	92.0	93.1	93.4	93.4	93.8	94.0	94.0	94.1	94.1	94.3	94.3
GE 500	81.7	84.0	87.0	90.2	92.2	93.0	94.3	94.7	94.7	95.2	95.7	95.7	95.9	95.9	96.1	96.1
GE 400	81.7	84.0	87.0	90.4	92.4	93.4	95.0	95.6	95.6	96.2	96.7	96.7	97.0	97.0	97.4	97.4
GE 300	81.7	84.0	87.0	90.6	92.7	93.7	95.3	96.0	96.0	96.7	97.4	97.4	98.2	98.2	98.8	98.8
GE 200	81.7	84.0	87.0	90.6	92.7	93.7	95.3	96.3	96.3	97.1	97.9	97.9	98.9	98.9	99.6	99.7
GE 100	81.7	84.0	87.0	90.6	92.7	93.7	95.3	96.3	96.3	97.2	98.0	98.0	99.0	99.0	99.7	99.9
GE 000	81.7	84.0	87.0	90.6	92.7	93.7	95.3	96.3	96.3	97.2	98.0	98.0	99.0	99.0	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CRIL	48.9	49.1	49.6	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	51.3	51.6	52.0	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	51.3	51.7	52.1	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 16000	51.3	51.7	52.1	52.3	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 14000	52.0	52.3	52.8	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 12000	53.0	53.3	53.8	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 10000	54.2	54.6	55.0	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 9000	54.9	55.2	55.7	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 8000	55.6	55.9	56.3	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 7000	58.4	58.9	59.3	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 6000	60.7	61.1	61.6	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 5000	64.8	65.2	65.7	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
GE 4500	66.2	66.7	67.1	67.3	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 4000	71.8	72.2	72.7	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 3500	74.0	74.4	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 3000	78.2	78.8	79.2	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2500	80.2	80.9	81.6	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 2000	83.3	84.0	84.9	85.3	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1800	84.4	85.1	86.0	86.4	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1500	86.4	87.1	88.2	88.7	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1200	88.4	89.4	90.9	91.6	92.2	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000	89.8	91.0	92.9	93.6	94.2	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 900	90.0	91.4	93.9	94.7	95.8	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 800	90.0	91.4	93.9	94.8	96.0	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 700	90.3	92.0	94.6	95.6	97.0	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 600	90.4	92.1	94.7	95.8	97.6	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	90.4	92.1	94.8	95.9	97.8	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	90.4	92.1	94.8	95.9	98.1	98.9	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	90.4	92.1	94.8	95.9	98.1	98.9	99.3	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.4	92.1	94.8	95.9	98.1	98.9	99.3	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.4	92.1	94.8	95.9	98.1	98.9	99.3	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.4	92.1	94.8	95.9	98.1	98.9	99.3	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	59.3	59.4	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 20000	63.2	63.3	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 18000	63.2	63.3	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 16000	63.2	63.3	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 14000	63.7	63.8	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 12000	64.9	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 10000	65.9	66.0	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 9000	66.2	66.3	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 8000	67.7	67.8	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000	69.9	70.0	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 6000	73.3	73.4	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 5000	78.9	79.0	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 4500	81.9	82.0	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 4000	85.3	85.4	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 3500	87.2	87.3	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 3000	91.6	91.7	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 2500	93.6	93.7	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 2000	94.8	95.2	95.6	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	95.2	95.8	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1500	96.0	97.2	97.7	97.8	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	96.6	97.8	98.2	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
GE 1000	97.0	98.2	98.8	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
GE 900	97.0	98.2	98.9	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 800	97.0	98.2	98.9	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 700	97.0	98.2	98.9	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
GE 600	97.0	98.2	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
GE 500	97.0	98.2	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 400	97.0	98.2	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 300	97.0	98.2	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 200	97.0	98.2	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	97.0	98.2	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	97.0	98.2	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 20000	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 18000	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 16000	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 14000	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 12000	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 10000	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 9000	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 8000	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 7000	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 6000	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 5000	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 4500	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7
GE 4000	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8
GE 3500	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1
GE 3000	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 2500	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	97.1	97.3	97.4	97.6	97.7	97.8	97.8	97.8	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	97.2	97.4	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	97.4	97.7	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	98.2	98.4	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	98.4	98.7	99.0	99.1	99.4	99.6	99.6	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.4	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	98.4	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.4	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.4	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.4	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.4	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.4	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.4	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.4	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.4	98.7	99.1	99.2	99.6	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.8	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 20000	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 18000	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 12000	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 10000	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 9000	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 8000	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 7000	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 6000	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 5000	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 4500	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 4000	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3500	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3000	96.1	96.1	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2500	97.0	97.3	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	97.6	98.1	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	97.6	98.1	98.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	97.8	98.3	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	97.8	98.3	98.6	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	98.1	98.7	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	98.1	98.7	98.9	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	98.2	98.8	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	98.2	98.8	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	98.2	98.8	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.2	98.8	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.2	98.8	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.2	98.8	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.2	98.8	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.2	98.8	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.2	98.8	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	64.4	64.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 20000	68.3	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 18000	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 16000	68.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 14000	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 12000	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 10000	71.1	71.1	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 9000	71.4	71.4	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 8000	73.1	73.1	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 7000	76.8	76.8	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 6000	80.9	81.0	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 5000	84.3	84.6	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 4500	86.7	86.9	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 4000	89.8	90.2	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3500	92.3	92.8	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	95.1	95.7	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 2500	96.0	96.6	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000	96.3	96.9	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	96.7	97.2	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	96.9	97.4	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	97.9	98.4	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1000	97.9	98.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	97.9	98.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	97.9	98.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	97.9	98.4	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	98.1	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	98.1	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	98.1	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	98.1	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	98.1	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	98.1	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	98.1	98.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.0	56.2	56.5	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
GE 20000	59.3	59.5	59.9	60.1	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4
GE 18000	59.5	59.7	60.0	60.2	60.3	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.6
GE 16000	59.5	59.7	60.1	60.3	60.3	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.6	60.6
GE 14000	59.9	60.2	60.5	60.7	60.8	60.8	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
GE 12000	61.1	61.4	61.7	61.9	62.0	62.0	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.3	62.3
GE 10000	62.6	62.8	63.2	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8
GE 9000	63.1	63.4	63.7	64.0	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.4	64.4
GE 8000	64.3	64.5	64.9	65.1	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5
GE 7000	67.5	67.7	68.1	68.3	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7
GE 6000	70.6	70.9	71.3	71.5	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9
GE 5000	75.1	75.3	75.7	76.0	76.1	76.1	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 4500	77.5	77.8	78.1	78.4	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8
GE 4000	81.5	81.8	82.2	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8
GE 3500	83.9	84.2	84.6	84.9	85.0	85.0	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.3	85.3
GE 3000	87.2	87.6	88.0	88.4	88.5	88.5	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.8	88.8
GE 2500	88.6	89.1	89.6	90.0	90.1	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4
GE 2000	89.9	90.5	91.0	91.5	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	92.0	92.0
GE 1800	90.4	90.9	91.6	92.1	92.3	92.4	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 1500	91.5	92.1	92.9	93.4	93.7	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.1	94.1
GE 1200	92.6	93.3	94.2	94.8	95.2	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.6	95.6	95.6	95.6
GE 1000	93.3	94.2	95.2	95.8	96.3	96.4	96.5	96.5	96.5	96.6	96.6	96.6	96.7	96.7	96.8	96.8
GE 900	93.6	94.5	95.6	96.4	96.9	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4
GE 800	93.6	94.6	95.8	96.5	97.1	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.7	97.7
GE 700	93.8	94.8	96.1	96.9	97.5	97.7	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2
GE 600	93.9	95.0	96.3	97.1	97.8	98.1	98.3	98.4	98.4	98.5	98.6	98.6	98.6	98.6	98.7	98.7
GE 500	93.9	95.0	96.4	97.3	98.1	98.4	98.7	98.7	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.1
GE 400	93.9	95.0	96.4	97.3	98.2	98.5	98.8	98.9	98.9	99.1	99.2	99.2	99.3	99.3	99.4	99.4
GE 300	93.9	95.0	96.4	97.4	98.2	98.5	98.9	99.1	99.1	99.3	99.5	99.5	99.6	99.6	99.7	99.8
GE 200	93.9	95.0	96.4	97.4	98.2	98.5	98.9	99.1	99.1	99.4	99.5	99.5	99.7	99.7	99.9	99.9
GE 100	93.9	95.0	96.4	97.4	98.2	98.5	98.9	99.1	99.1	99.4	99.6	99.6	99.7	99.7	99.9	100.0
GE 000	93.9	95.0	96.4	97.4	98.2	98.5	98.9	99.1	99.1	99.4	99.6	99.6	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.5	42.4	43.1	44.5	45.3	45.4	45.9	46.1	46.1	46.3	46.9	46.9	47.1	47.1	47.3	48.3
GE 20000	44.0	44.8	45.7	47.1	47.8	48.0	48.5	48.7	48.7	48.9	49.5	49.5	49.7	49.7	49.9	50.9
GE 18000	44.1	44.9	45.8	47.2	48.0	48.1	48.6	48.8	48.8	49.0	49.6	49.6	49.8	49.8	50.0	51.0
GE 16000	44.5	45.4	46.2	47.6	48.4	48.5	49.0	49.2	49.2	49.5	50.0	50.0	50.2	50.2	50.4	51.4
GE 14000	45.3	46.1	47.0	48.4	49.1	49.2	49.8	50.0	50.0	50.2	50.8	50.8	51.0	51.0	51.2	52.2
GE 12000	47.7	48.6	49.5	50.9	51.6	51.7	52.3	52.5	52.5	52.7	53.2	53.2	53.5	53.5	53.8	54.7
GE 10000	49.0	49.9	50.8	52.2	52.9	53.0	53.5	53.8	53.8	54.0	54.5	54.5	54.8	54.8	55.1	56.0
GE 9000	50.3	51.2	52.0	53.4	54.2	54.3	54.8	55.1	55.1	55.3	55.8	55.8	56.1	56.1	56.3	57.3
GE 8000	51.6	52.5	53.3	54.7	55.5	55.6	56.1	56.3	56.3	56.6	57.1	57.1	57.4	57.4	57.6	58.6
GE 7000	54.6	55.5	56.3	57.7	58.5	58.6	59.1	59.4	59.4	59.6	60.1	60.1	60.4	60.4	60.6	61.6
GE 6000	59.1	60.1	61.0	62.4	63.1	63.2	63.8	64.0	64.0	64.2	64.7	64.7	65.1	65.1	65.3	66.3
GE 5000	63.2	64.3	65.2	66.7	67.4	67.5	68.1	68.3	68.3	68.5	69.0	69.0	69.4	69.4	69.6	70.6
GE 4500	65.9	67.0	67.8	69.7	70.4	70.5	71.1	71.3	71.3	71.5	72.0	72.0	72.4	72.4	72.6	73.7
GE 4000	72.6	74.0	74.8	76.7	77.4	77.5	78.1	78.3	78.3	78.5	79.0	79.0	79.4	79.4	79.6	80.6
GE 3500	74.6	76.0	77.0	79.0	79.8	79.9	80.4	80.6	80.6	80.9	81.4	81.4	81.7	81.7	81.9	83.0
GE 3000	76.7	78.3	79.2	81.4	82.2	82.3	82.8	83.0	83.0	83.2	83.8	83.8	84.1	84.1	84.3	85.4
GE 2500	78.5	80.1	81.3	83.5	84.3	84.4	84.9	85.2	85.2	85.4	85.9	85.9	86.2	86.2	86.5	87.5
GE 2000	79.8	81.9	83.3	85.6	86.5	86.6	87.1	87.3	87.3	87.5	88.1	88.1	88.4	88.4	88.6	89.7
GE 1800	79.9	82.0	83.7	85.9	86.8	86.9	87.4	87.6	87.6	87.8	88.4	88.4	88.7	88.7	88.9	90.0
GE 1500	80.6	82.9	84.6	87.0	87.8	88.0	88.5	88.7	88.7	88.9	89.5	89.5	89.8	89.8	90.0	91.1
GE 1200	81.6	84.3	86.3	88.7	89.7	89.8	90.5	90.9	90.9	91.1	91.6	91.6	91.9	91.9	92.2	93.2
GE 1000	82.2	84.9	87.0	89.4	90.3	90.4	91.2	91.5	91.5	91.7	92.3	92.3	92.6	92.6	92.8	93.9
GE 900	82.4	85.2	87.2	89.6	90.5	90.6	91.6	91.9	91.9	92.2	92.8	92.8	93.1	93.1	93.3	94.4
GE 800	82.4	85.2	87.2	89.6	90.6	90.8	91.7	92.0	92.0	92.3	92.9	92.9	93.2	93.2	93.4	94.5
GE 700	82.4	85.2	87.2	89.6	90.8	90.9	92.0	92.4	92.4	92.6	93.2	93.2	93.5	93.5	93.8	94.8
GE 600	82.5	85.3	87.3	89.7	91.0	91.2	92.6	92.9	92.9	93.1	93.8	93.8	94.1	94.1	94.3	95.4
GE 500	82.7	85.5	87.5	90.0	91.8	92.0	93.5	94.0	94.0	94.2	94.8	94.8	95.3	95.3	95.5	96.6
GE 400	82.8	85.6	87.6	90.1	92.0	92.3	93.8	94.2	94.2	94.4	95.1	95.1	95.5	95.5	95.7	96.8
GE 300	82.8	85.6	87.7	90.2	92.3	92.5	94.1	94.5	94.5	94.7	95.4	95.4	95.9	95.9	96.2	97.4
GE 200	82.8	85.6	87.7	90.2	92.3	92.5	94.2	94.6	94.6	94.9	95.7	95.7	96.2	96.2	96.6	98.2
GE 100	82.8	85.6	87.7	90.2	92.3	92.5	94.2	94.6	94.6	94.9	95.7	95.7	96.2	96.2	96.6	99.4
GE 000	82.8	85.6	87.7	90.2	92.3	92.5	94.2	94.6	94.6	94.9	95.7	95.7	96.2	96.2	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	28.6	29.4	29.6	30.5	31.4	31.4	31.7	32.2	32.2	32.7	32.9	32.9	33.7	33.8	34.9	35.9
GE 20000	31.3	32.0	32.3	33.2	34.2	34.2	34.6	35.1	35.1	35.6	35.8	35.8	36.6	36.7	37.8	38.8
GE 18000	31.3	32.0	32.3	33.2	34.2	34.2	34.6	35.1	35.1	35.6	35.8	35.8	36.6	36.7	37.8	38.8
GE 16000	31.3	32.0	32.3	33.2	34.2	34.2	34.6	35.1	35.1	35.6	35.8	35.8	36.6	36.7	37.8	38.8
GE 14000	31.8	32.6	32.9	33.9	34.9	34.9	35.4	35.8	35.8	36.3	36.6	36.6	37.3	37.4	38.6	39.6
GE 12000	34.1	34.8	35.3	36.2	37.3	37.3	37.7	38.2	38.2	38.7	38.9	38.9	39.7	39.8	41.0	41.9
GE 10000	36.1	37.0	37.5	38.5	39.6	39.6	40.0	40.4	40.4	41.0	41.2	41.2	41.9	42.0	43.2	44.3
GE 9000	36.7	37.5	38.1	39.0	40.1	40.1	40.5	41.0	41.0	41.5	41.7	41.7	42.5	42.6	43.8	44.8
GE 8000	38.3	39.1	39.8	40.8	41.8	41.8	42.3	42.7	42.7	43.2	43.4	43.4	44.2	44.3	45.5	46.6
GE 7000	40.8	41.6	42.3	43.2	44.3	44.3	44.7	45.2	45.2	45.7	45.9	45.9	46.7	46.8	48.0	49.0
GE 6000	46.1	47.0	47.6	48.6	49.7	49.7	50.1	50.5	50.5	51.1	51.3	51.3	52.0	52.2	53.3	54.4
GE 5000	49.9	50.9	51.6	52.6	53.7	53.7	54.1	54.5	54.5	55.1	55.3	55.3	56.0	56.1	57.3	58.4
GE 4500	52.4	53.3	54.1	55.1	56.2	56.2	56.7	57.1	57.1	57.6	57.8	57.8	58.6	58.7	59.9	61.0
GE 4000	57.8	58.8	59.6	60.5	61.8	61.8	62.3	62.7	62.7	63.2	63.4	63.4	64.2	64.3	65.5	66.6
GE 3500	59.4	60.3	61.2	62.2	63.4	63.4	63.9	64.3	64.3	64.8	65.1	65.1	65.8	65.9	67.1	68.2
GE 3000	62.7	63.9	64.9	65.9	67.3	67.3	67.7	68.2	68.2	68.7	68.9	68.9	69.7	69.8	71.0	72.0
GE 2500	64.2	65.4	66.7	67.6	69.1	69.1	69.8	70.2	70.2	70.8	71.0	71.0	71.7	71.8	73.0	74.1
GE 2000	65.7	67.1	68.8	69.8	71.5	71.5	72.2	72.6	72.6	73.1	73.3	73.3	74.1	74.2	75.4	76.6
GE 1800	66.1	67.7	69.6	70.5	72.3	72.3	72.9	73.3	73.3	73.9	74.1	74.1	74.8	74.9	76.1	77.3
GE 1500	67.2	69.0	71.2	72.3	74.1	74.1	74.7	75.2	75.2	75.7	75.9	75.9	76.7	76.8	78.1	79.2
GE 1200	69.0	71.1	73.7	75.1	77.1	77.1	77.7	78.2	78.2	78.7	78.9	78.9	79.7	79.8	81.1	82.3
GE 1000	69.9	72.2	75.1	76.5	78.6	78.6	79.2	79.9	79.9	80.4	80.6	80.6	81.4	81.5	82.8	84.0
GE 900	70.4	72.8	75.8	77.3	79.6	79.6	80.6	81.4	81.4	81.9	82.2	82.2	82.9	83.0	84.3	85.5
GE 800	70.9	73.2	76.3	77.8	80.2	80.2	81.3	82.0	82.0	82.6	82.8	82.8	83.5	83.7	84.9	86.1
GE 700	71.2	73.5	76.7	78.3	80.9	80.9	81.9	82.7	82.8	83.3	83.5	83.5	84.3	84.4	85.7	86.9
GE 600	71.3	73.7	76.8	78.8	81.4	81.4	82.7	83.4	83.5	84.1	84.3	84.3	85.1	85.2	86.5	87.6
GE 500	71.4	73.9	77.1	79.4	82.4	82.5	83.8	84.5	84.7	85.3	85.6	85.6	86.6	86.7	88.0	89.1
GE 400	71.5	74.0	77.3	79.6	82.9	83.1	84.4	85.4	85.6	86.1	86.5	86.5	87.5	87.6	89.0	90.3
GE 300	71.5	74.0	77.3	79.6	83.1	83.3	84.8	86.2	86.5	87.3	88.0	88.0	89.2	89.4	91.1	92.7
GE 200	71.5	74.0	77.3	79.6	83.1	83.3	85.1	86.5	86.8	87.8	88.6	88.7	90.6	91.0	93.0	95.2
GE 100	71.5	74.0	77.3	79.6	83.1	83.3	85.1	86.5	86.8	87.8	88.7	88.8	90.9	91.2	93.7	98.8
GE 000	71.5	74.0	77.3	79.6	83.1	83.3	85.1	86.5	86.8	87.8	88.7	88.8	90.9	91.2	93.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.6	18.9	19.6	20.4	20.6	20.6	20.8	21.0	21.0	21.2	21.5	21.5	21.9	21.9	22.8	23.4
GE 20000	21.7	22.3	22.9	24.0	24.3	24.4	24.5	24.7	24.7	25.1	25.4	25.4	25.8	25.8	26.7	27.5
GE 18000	21.7	22.3	22.9	24.0	24.3	24.4	24.5	24.7	24.7	25.1	25.4	25.4	25.8	25.8	26.7	27.5
GE 16000	21.8	22.4	23.0	24.1	24.4	24.5	24.6	24.8	24.8	25.2	25.5	25.5	25.9	25.9	26.8	27.6
GE 14000	22.8	23.3	24.0	25.1	25.4	25.5	25.6	25.8	25.8	26.1	26.5	26.5	26.9	26.9	27.7	28.6
GE 12000	24.2	24.7	25.4	26.5	26.9	27.0	27.1	27.3	27.3	27.6	28.0	28.0	28.4	28.4	29.2	30.1
GE 10000	25.6	26.1	27.0	28.1	28.5	28.7	28.9	29.1	29.1	29.5	29.8	29.8	30.2	30.2	31.1	31.9
GE 9000	26.3	26.9	27.7	28.9	29.4	29.6	29.8	30.0	30.0	30.3	30.6	30.6	31.2	31.2	32.0	33.0
GE 8000	27.7	28.3	29.1	30.4	30.9	31.1	31.3	31.5	31.5	31.8	32.2	32.2	32.7	32.7	33.7	34.6
GE 7000	30.5	31.3	32.2	33.4	33.9	34.1	34.3	34.5	34.5	34.8	35.2	35.2	35.7	35.7	36.7	37.6
GE 6000	33.1	33.9	34.7	36.0	36.6	36.8	37.0	37.2	37.2	37.5	37.8	37.8	38.4	38.4	39.4	40.3
GE 5000	37.5	38.4	39.4	40.6	41.5	41.7	41.9	42.2	42.2	42.5	42.8	42.8	43.3	43.3	44.3	45.3
GE 4500	40.9	41.7	42.7	44.0	44.8	45.2	45.5	45.7	45.7	46.0	46.3	46.3	46.9	46.9	47.8	48.8
GE 4000	47.1	48.0	48.9	50.4	51.3	51.6	51.9	52.2	52.2	52.5	52.8	52.8	53.3	53.3	54.3	55.3
GE 3500	49.0	49.9	51.0	52.5	53.3	53.7	54.0	54.2	54.2	54.5	54.8	54.8	55.4	55.4	56.3	57.3
GE 3000	52.9	53.9	55.2	57.0	58.0	58.3	58.7	59.0	59.0	59.4	59.7	59.7	60.2	60.2	61.2	62.2
GE 2500	54.6	55.7	57.2	59.0	60.0	60.3	60.8	61.1	61.1	61.4	61.7	61.7	62.3	62.4	63.3	64.3
GE 2000	56.2	57.4	59.0	61.0	62.0	62.4	62.8	63.2	63.2	63.5	63.9	63.9	64.4	64.5	65.5	66.6
GE 1800	57.2	58.5	60.1	62.3	63.5	63.9	64.3	64.7	64.7	65.1	65.4	65.4	65.9	66.0	67.0	68.1
GE 1500	58.5	60.2	62.2	64.3	65.6	65.9	66.5	67.0	67.0	67.4	67.7	67.7	68.3	68.4	69.4	70.4
GE 1200	60.2	62.8	64.9	67.5	68.9	69.2	69.9	70.4	70.4	70.9	71.2	71.2	71.8	71.9	72.9	74.0
GE 1000	61.0	63.9	66.2	68.9	70.5	71.0	71.7	72.3	72.3	72.7	73.0	73.0	73.7	73.8	74.7	75.8
GE 900	61.5	64.6	67.1	70.2	72.2	72.6	73.4	74.2	74.2	74.6	74.9	74.9	75.6	75.7	76.7	77.7
GE 800	61.7	64.9	67.5	70.6	72.8	73.2	74.1	74.8	74.8	75.3	75.6	75.6	76.3	76.5	77.4	78.5
GE 700	61.7	65.1	67.7	70.9	73.3	73.9	74.8	75.7	75.7	76.1	76.5	76.5	77.2	77.3	78.3	79.4
GE 600	61.9	65.4	68.2	71.3	74.0	74.6	75.6	76.5	76.5	76.9	77.2	77.2	78.0	78.1	79.0	80.1
GE 500	62.0	65.6	68.5	72.0	75.4	76.0	77.1	78.4	78.7	79.4	79.8	79.8	80.6	80.8	81.7	82.8
GE 400	62.2	65.7	68.7	72.3	75.7	76.5	77.7	79.1	79.6	80.3	80.9	80.9	82.0	82.2	83.4	84.5
GE 300	62.2	65.7	68.7	72.4	76.0	76.9	78.4	80.6	81.6	82.8	83.8	83.9	85.7	85.9	87.6	89.0
GE 200	62.2	65.7	68.7	72.4	76.0	76.9	78.6	81.0	81.9	83.7	85.2	85.3	88.4	88.8	91.8	94.2
GE 100	62.2	65.7	68.7	72.4	76.1	77.0	78.7	81.1	82.0	83.8	85.3	85.4	88.8	89.2	93.1	99.4
GE 000	62.2	65.7	68.7	72.4	76.1	77.0	78.7	81.1	82.0	83.8	85.4	85.5	88.9	89.4	93.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	24.9	26.8	27.6	28.1	29.1	29.1	29.6	29.6	29.7	29.8	30.0	30.0	30.1	30.1	30.1	30.3
GE 20000	29.2	31.3	32.4	32.9	34.1	34.1	34.6	34.7	34.8	34.9	35.2	35.2	35.3	35.3	35.3	35.5
GE 18000	29.5	31.5	32.6	33.1	34.3	34.3	34.8	34.9	35.1	35.2	35.4	35.4	35.5	35.5	35.5	35.7
GE 16000	29.6	31.6	32.7	33.2	34.4	34.4	34.9	35.1	35.2	35.3	35.5	35.5	35.6	35.6	35.6	35.8
GE 14000	31.3	33.3	34.4	34.9	36.1	36.1	36.7	36.8	36.9	37.0	37.2	37.2	37.3	37.3	37.3	37.5
GE 12000	33.7	35.7	36.8	37.4	38.7	38.7	39.2	39.4	39.5	39.6	39.8	39.8	39.9	39.9	39.9	40.1
GE 10000	35.9	38.0	39.0	39.7	41.1	41.1	41.6	41.7	41.8	41.9	42.2	42.2	42.3	42.3	42.3	42.5
GE 9000	36.5	38.5	39.6	40.2	41.7	41.8	42.4	42.5	42.6	42.7	42.9	42.9	43.0	43.0	43.0	43.2
GE 8000	37.3	39.6	40.6	41.3	42.8	42.9	43.4	43.5	43.7	43.8	44.0	44.0	44.1	44.1	44.1	44.3
GE 7000	40.0	42.3	43.3	44.0	45.5	45.6	46.1	46.2	46.3	46.5	46.7	46.7	46.8	46.8	46.8	47.0
GE 6000	42.3	44.5	45.6	46.2	47.7	47.8	48.4	48.5	48.6	48.7	48.9	48.9	49.0	49.0	49.0	49.2
GE 5000	46.2	48.6	49.7	50.3	51.9	52.0	52.6	52.7	52.8	52.9	53.1	53.1	53.2	53.2	53.2	53.4
GE 4500	50.0	52.4	53.4	54.1	55.7	55.8	56.3	56.5	56.6	56.7	56.9	56.9	57.0	57.0	57.0	57.2
GE 4000	54.9	57.4	59.0	59.8	61.4	61.5	62.0	62.2	62.3	62.4	62.6	62.6	62.7	62.7	62.7	62.9
GE 3500	57.0	59.6	61.2	61.9	63.5	63.8	64.4	64.6	64.7	64.8	65.1	65.1	65.2	65.2	65.2	65.4
GE 3000	60.5	63.1	64.7	65.6	67.3	67.6	68.3	68.5	68.6	68.7	68.9	68.9	69.0	69.0	69.0	69.2
GE 2500	62.2	64.7	66.3	67.2	68.9	69.2	70.0	70.2	70.3	70.4	70.6	70.6	70.8	70.8	70.8	71.0
GE 2000	63.8	66.5	68.3	69.1	70.9	71.2	71.9	72.2	72.3	72.4	72.6	72.6	72.7	72.7	72.7	72.9
GE 1800	64.5	67.2	69.1	70.0	71.8	72.2	72.9	73.1	73.2	73.3	73.5	73.5	73.7	73.7	73.7	73.9
GE 1500	67.1	70.2	72.2	73.3	75.6	76.0	76.9	77.1	77.2	77.3	77.5	77.5	77.6	77.6	77.6	77.8
GE 1200	69.2	73.1	75.4	76.6	78.8	79.2	80.2	80.4	80.5	80.6	80.9	80.9	81.0	81.0	81.0	81.2
GE 1000	70.8	75.1	77.7	79.0	81.7	82.2	83.2	83.4	83.5	83.7	83.9	83.9	84.0	84.0	84.0	84.2
GE 900	71.2	75.6	78.4	79.9	82.8	83.2	84.4	84.6	84.7	84.8	85.1	85.1	85.2	85.2	85.2	85.4
GE 800	71.4	76.0	79.0	80.5	83.7	84.2	85.4	85.6	85.7	85.8	86.0	86.0	86.1	86.1	86.1	86.3
GE 700	71.6	76.6	80.0	81.5	84.8	85.6	86.8	87.0	87.1	87.2	87.4	87.4	87.5	87.5	87.5	87.7
GE 600	71.6	76.6	80.2	81.7	85.5	86.7	88.6	89.0	89.1	89.4	89.6	89.6	89.7	89.7	89.7	89.9
GE 500	71.7	76.7	80.5	82.2	86.2	87.6	89.8	90.5	90.9	91.4	91.7	91.7	91.8	91.8	91.8	92.0
GE 400	71.7	76.7	80.5	82.2	86.7	88.1	90.4	91.6	92.0	93.1	93.5	93.5	93.8	93.8	93.8	94.0
GE 300	71.8	76.8	80.6	82.3	86.9	88.5	91.3	93.2	93.9	95.2	95.8	95.8	96.6	96.6	96.7	96.9
GE 200	71.8	76.8	80.6	82.3	86.9	88.5	91.5	93.7	94.3	96.1	97.0	97.0	98.3	98.3	98.6	98.8
GE 100	71.8	76.8	80.6	82.3	86.9	88.5	91.5	93.7	94.3	96.2	97.3	97.3	98.7	98.7	99.4	99.9
GE 000	71.8	76.8	80.6	82.3	86.9	88.5	91.5	93.7	94.3	96.2	97.4	97.4	98.8	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.9	41.9	42.6	43.3	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 20000	47.4	48.6	49.6	50.4	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 18000	47.5	48.7	49.7	50.5	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 16000	47.5	48.7	49.7	50.5	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 14000	49.4	50.6	51.6	52.5	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 12000	51.4	52.7	53.8	54.6	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 10000	54.6	56.0	57.1	58.0	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 9000	55.1	56.5	57.5	58.4	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 8000	56.6	58.0	59.1	60.0	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 7000	60.0	61.7	62.9	63.8	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 6000	63.0	64.7	65.9	66.8	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 5000	66.9	68.7	69.9	70.8	71.5	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4500	70.1	71.9	73.1	74.0	74.7	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 4000	74.9	76.8	78.0	78.8	79.6	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 3500	77.0	78.8	80.0	80.9	81.6	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 3000	82.2	84.0	85.4	86.6	87.4	87.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 2500	84.7	86.6	88.1	89.2	90.1	90.5	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 2000	86.9	88.8	90.8	91.9	92.8	93.3	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 1800	87.5	89.5	91.5	92.7	93.5	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1500	88.5	90.5	92.6	93.8	94.6	95.2	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1200	88.9	91.4	94.0	95.4	96.3	96.9	97.1	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1000	89.5	91.9	94.5	96.0	97.0	97.5	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 900	89.6	92.0	94.6	96.2	97.2	97.8	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 800	89.8	92.3	94.8	96.5	97.4	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	89.9	92.4	94.9	96.6	97.6	98.4	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	90.0	92.6	95.2	96.8	97.8	98.8	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	90.0	92.6	95.2	96.8	97.8	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	90.0	92.6	95.2	96.8	97.8	98.8	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	90.0	92.6	95.2	96.8	97.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.0	92.6	95.2	96.8	97.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.0	92.6	95.2	96.8	97.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	90.0	92.6	95.2	96.8	97.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.6	43.7	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 20000	51.6	53.3	53.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 18000	51.6	53.3	53.5	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 16000	51.7	53.4	53.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 14000	53.7	55.4	55.6	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 12000	56.0	57.7	58.0	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 10000	58.5	60.2	60.4	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 9000	59.9	61.6	61.8	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 8000	61.9	63.8	64.0	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 7000	65.6	67.4	67.6	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 6000	71.0	72.8	73.0	73.9	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 5000	76.3	78.3	78.5	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 4500	79.9	82.0	82.3	83.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 4000	84.4	86.7	87.0	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 3500	86.3	88.6	89.0	89.9	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 3000	88.7	91.0	91.5	92.4	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 2500	90.4	92.7	93.3	94.2	94.9	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	92.0	94.5	95.3	96.1	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	92.2	94.6	95.4	96.3	97.1	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500	92.9	95.6	96.6	97.5	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1200	93.0	95.9	97.2	98.2	99.1	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	93.1	96.0	97.4	98.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	93.1	96.0	97.4	98.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	93.1	96.0	97.4	98.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	93.1	96.0	97.4	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	93.1	96.0	97.4	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	93.1	96.0	97.4	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	93.1	96.0	97.4	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.1	96.0	97.4	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.1	96.0	97.4	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.1	96.0	97.4	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.1	96.0	97.4	98.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.5	46.9	47.3	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 20000	51.2	51.8	52.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 18000	51.2	51.8	52.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 16000	51.2	51.8	52.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 14000	53.1	53.8	54.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 12000	55.9	56.8	57.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 10000	58.1	58.9	59.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 9000	59.1	60.0	60.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 8000	61.1	61.9	62.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 7000	65.1	66.2	66.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 6000	70.4	71.6	72.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 5000	76.3	77.6	78.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 4500	79.0	80.5	81.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 4000	83.1	84.9	85.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 3500	85.6	87.6	88.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 3000	88.3	90.4	91.2	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 2500	90.0	92.3	93.3	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 2000	91.4	93.8	94.9	96.3	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	91.4	93.8	94.9	96.3	96.5	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1500	92.3	94.9	96.1	97.5	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	92.7	95.6	96.8	98.2	98.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	92.8	95.7	97.0	98.4	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	92.8	95.7	97.0	98.4	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	92.8	95.7	97.0	98.4	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	93.1	96.0	97.3	98.7	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	93.1	96.0	97.3	98.7	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	93.1	96.0	97.3	98.7	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	93.1	96.0	97.3	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	93.1	96.0	97.3	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	93.1	96.0	97.3	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	93.1	96.0	97.3	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	93.1	96.0	97.3	98.7	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND 1AP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.1	49.4	50.0	50.4	50.6	50.8	50.9	51.0	51.0	51.0	51.1	51.1	51.3	51.3	51.3	51.6
GE 20000	51.0	52.3	52.9	53.4	53.8	53.9	54.1	54.2	54.2	54.4	54.6	54.6	54.8	54.8	54.8	55.3
GE 18000	51.0	52.3	52.9	53.4	53.8	53.9	54.1	54.2	54.2	54.4	54.6	54.6	54.8	54.8	54.8	55.3
GE 16000	51.0	52.3	52.9	53.4	53.8	53.9	54.1	54.2	54.2	54.4	54.6	54.6	54.8	54.8	54.8	55.3
GE 14000	53.0	54.3	54.9	55.5	55.8	55.9	56.1	56.2	56.2	56.5	56.7	56.7	56.9	56.9	56.9	57.3
GE 12000	54.7	56.0	56.7	57.2	57.5	57.7	58.0	58.1	58.1	58.3	58.5	58.5	58.7	58.7	58.7	59.1
GE 10000	57.4	58.7	59.4	59.9	60.2	60.4	60.6	60.8	60.8	61.0	61.2	61.2	61.4	61.4	61.4	61.8
GE 9000	59.2	60.5	61.3	61.9	62.3	62.5	62.7	62.8	62.8	63.0	63.2	63.2	63.4	63.4	63.4	63.9
GE 8000	60.8	62.0	62.8	63.5	63.9	64.1	64.3	64.4	64.4	64.6	64.8	64.8	65.1	65.1	65.1	65.5
GE 7000	63.8	65.2	65.9	66.7	67.0	67.2	67.4	67.5	67.5	67.7	68.0	68.0	68.2	68.2	68.2	68.6
GE 6000	68.9	70.3	71.2	71.9	72.3	72.5	72.7	72.8	72.8	73.0	73.2	73.2	73.4	73.4	73.4	73.9
GE 5000	72.8	74.3	75.2	75.9	76.2	76.5	76.7	76.8	76.8	77.0	77.2	77.2	77.4	77.4	77.4	77.8
GE 4500	75.1	76.6	77.4	78.2	78.5	78.7	78.9	79.0	79.0	79.2	79.5	79.5	79.7	79.7	79.7	80.1
GE 4000	78.9	80.9	81.8	82.7	83.0	83.2	83.4	83.5	83.5	83.9	84.1	84.1	84.3	84.3	84.3	84.7
GE 3500	80.9	82.9	84.0	84.8	85.2	85.4	85.6	85.7	85.7	86.0	86.2	86.2	86.5	86.5	86.5	86.9
GE 3000	84.5	87.0	88.2	89.1	89.5	89.7	89.9	90.0	90.0	90.3	90.5	90.5	90.8	90.8	90.8	91.2
GE 2500	86.0	88.7	90.1	91.2	91.6	91.8	92.0	92.2	92.2	92.5	92.7	92.7	92.9	92.9	92.9	93.3
GE 2000	86.8	89.9	91.4	92.5	93.3	93.7	93.9	94.0	94.0	94.3	94.5	94.5	94.7	94.7	94.7	95.2
GE 1800	87.2	90.4	91.9	93.1	94.0	94.3	94.5	94.6	94.6	94.9	95.2	95.2	95.4	95.4	95.4	95.8
GE 1500	87.6	91.0	92.9	94.1	95.1	95.4	95.7	95.8	95.8	96.1	96.3	96.3	96.6	96.6	96.6	97.0
GE 1200	88.3	91.9	94.0	95.2	96.2	96.6	96.9	97.0	97.0	97.3	97.5	97.5	97.7	97.7	97.7	98.2
GE 1000	88.6	92.3	94.3	95.5	96.6	97.0	97.3	97.5	97.5	97.8	98.1	98.1	98.3	98.3	98.3	98.7
GE 900	88.7	92.4	94.4	95.7	96.8	97.2	97.5	97.7	97.7	98.1	98.3	98.3	98.5	98.5	98.5	98.9
GE 800	88.7	92.4	94.4	95.7	96.8	97.2	97.5	97.7	97.7	98.1	98.3	98.3	98.5	98.5	98.5	98.9
GE 700	88.9	92.6	94.7	96.1	97.2	97.6	98.0	98.2	98.2	98.5	98.7	98.7	98.9	98.9	98.9	99.4
GE 600	88.9	92.6	94.7	96.1	97.2	97.6	98.0	98.3	98.3	98.6	98.8	98.8	99.0	99.0	99.0	99.5
GE 500	88.9	92.6	94.7	96.1	97.2	97.6	98.0	98.4	98.4	98.7	98.9	98.9	99.1	99.1	99.1	99.6
GE 400	88.9	92.6	94.7	96.1	97.2	97.6	98.1	98.5	98.5	98.8	99.0	99.0	99.2	99.2	99.2	99.7
GE 300	88.9	92.6	94.7	96.1	97.2	97.6	98.1	98.5	98.5	98.8	99.1	99.1	99.4	99.4	99.4	99.9
GE 200	88.9	92.6	94.7	96.1	97.2	97.6	98.1	98.5	98.5	98.8	99.1	99.1	99.4	99.4	99.4	99.9
GE 100	88.9	92.6	94.7	96.1	97.2	97.6	98.1	98.5	98.5	98.8	99.1	99.1	99.4	99.4	99.4	100.0
GE 000	88.9	92.6	94.7	96.1	97.2	97.6	98.1	98.5	98.5	98.8	99.1	99.1	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.5	37.4	37.9	38.7	39.1	39.2	39.4	39.5	39.5	39.6	39.8	39.8	40.0	40.0	40.3	40.7
GE 20000	40.9	42.1	42.7	43.6	44.1	44.2	44.4	44.5	44.6	44.7	44.9	44.9	45.1	45.1	45.4	45.9
GE 18000	41.0	42.1	42.8	43.6	44.2	44.2	44.5	44.6	44.6	44.8	45.0	45.0	45.2	45.2	45.5	45.9
GE 16000	41.1	42.2	42.9	43.8	44.3	44.4	44.6	44.7	44.7	44.9	45.1	45.1	45.3	45.3	45.6	46.0
GE 14000	42.5	43.7	44.4	45.2	45.8	45.9	46.1	46.2	46.2	46.4	46.6	46.6	46.8	46.8	47.1	47.5
GE 12000	44.7	45.9	46.6	47.5	48.1	48.2	48.4	48.5	48.5	48.7	48.9	48.9	49.1	49.2	49.4	49.9
GE 10000	46.9	48.1	48.8	49.8	50.4	50.5	50.7	50.8	50.9	51.0	51.2	51.2	51.5	51.5	51.7	52.2
GE 9000	47.9	49.1	49.8	50.8	51.4	51.5	51.8	51.9	51.9	52.1	52.3	52.3	52.5	52.5	52.8	53.3
GE 8000	49.4	50.6	51.4	52.4	53.0	53.2	53.4	53.5	53.5	53.7	53.9	53.9	54.2	54.2	54.5	54.9
GE 7000	52.5	53.9	54.7	55.6	56.3	56.4	56.7	56.8	56.8	57.0	57.2	57.2	57.4	57.4	57.7	58.2
GE 6000	56.7	58.1	58.9	59.9	60.6	60.7	60.9	61.1	61.1	61.3	61.5	61.5	61.7	61.7	62.0	62.5
GE 5000	61.2	62.6	63.5	64.4	65.2	65.3	65.6	65.7	65.7	65.9	66.1	66.1	66.3	66.4	66.7	67.1
GE 4500	64.2	65.7	66.5	67.6	68.3	68.5	68.7	68.9	68.9	69.1	69.2	69.2	69.5	69.5	69.8	70.3
GE 4000	69.2	70.9	71.9	73.0	73.7	73.9	74.1	74.3	74.3	74.5	74.7	74.7	74.9	74.9	75.2	75.7
GE 3500	71.2	73.0	74.0	75.1	75.9	76.0	76.3	76.5	76.5	76.7	76.9	76.9	77.1	77.1	77.4	77.9
GE 3000	74.6	76.4	77.5	78.8	79.7	79.8	80.1	80.3	80.3	80.5	80.7	80.7	81.0	81.0	81.3	81.7
GE 2500	76.3	78.3	79.5	80.8	81.7	81.9	82.2	82.4	82.4	82.6	82.8	82.8	83.1	83.1	83.4	83.9
GE 2000	77.8	80.0	81.5	82.8	83.8	84.0	84.4	84.6	84.6	84.8	85.0	85.0	85.2	85.3	85.6	86.1
GE 1800	78.3	80.5	82.0	83.4	84.4	84.7	85.0	85.3	85.3	85.5	85.6	85.6	85.9	85.9	86.2	86.7
GE 1500	79.3	81.8	83.5	85.0	86.1	86.4	86.8	87.1	87.1	87.3	87.5	87.5	87.7	87.7	88.1	88.5
GE 1200	80.4	83.3	85.3	86.8	88.1	88.4	88.9	89.1	89.2	89.4	89.5	89.5	89.8	89.8	90.1	90.6
GE 1000	81.0	84.0	86.2	87.8	89.2	89.4	90.0	90.3	90.3	90.5	90.7	90.7	90.9	91.0	91.3	91.8
GE 900	81.2	84.3	86.5	88.2	89.7	90.0	90.6	91.0	91.0	91.2	91.4	91.4	91.6	91.7	92.0	92.5
GE 800	81.3	84.5	86.7	88.5	90.0	90.3	91.0	91.3	91.3	91.5	91.7	91.7	92.0	92.0	92.3	92.8
GE 700	81.5	84.7	87.0	88.8	90.4	90.8	91.5	91.8	91.9	92.1	92.3	92.3	92.5	92.6	92.9	93.4
GE 600	81.6	84.8	87.1	89.0	90.7	91.2	92.0	92.4	92.5	92.7	92.9	92.9	93.2	93.2	93.5	94.0
GE 500	81.6	84.9	87.3	89.2	91.2	91.7	92.6	93.2	93.3	93.6	93.8	93.8	94.1	94.2	94.5	95.0
GE 400	81.7	84.9	87.4	89.3	91.4	92.0	92.9	93.6	93.7	94.1	94.4	94.4	94.7	94.8	95.1	95.6
GE 300	81.7	84.9	87.4	89.3	91.5	92.1	93.2	94.1	94.4	94.9	95.3	95.3	95.8	95.9	96.4	97.0
GE 200	81.7	84.9	87.4	89.3	91.5	92.1	93.3	94.3	94.5	95.2	95.7	95.7	96.6	96.7	97.4	98.3
GE 100	81.7	84.9	87.4	89.3	91.5	92.1	93.3	94.3	94.5	95.2	95.8	95.8	96.7	96.8	97.8	99.7
GE 000	81.7	84.9	87.4	89.3	91.5	92.1	93.3	94.3	94.5	95.2	95.8	95.8	96.8	96.9	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	18.3	18.7	18.7	19.1	19.4	19.4	19.7	19.8	19.8	19.8	20.2	20.2	20.7	20.7	21.4	21.8
GE 20000	21.4	21.8	21.8	22.2	22.6	22.6	22.8	22.9	22.9	22.9	23.3	23.3	23.9	23.9	24.7	25.0
GE 18000	21.6	21.9	21.9	22.3	22.7	22.7	22.9	23.0	23.0	23.0	23.4	23.4	24.0	24.0	24.8	25.1
GE 16000	21.6	21.9	21.9	22.3	22.7	22.7	22.9	23.0	23.0	23.0	23.4	23.4	24.0	24.0	24.8	25.1
GE 14000	23.1	23.4	23.4	24.0	24.3	24.3	24.6	24.7	24.7	24.7	25.1	25.1	25.7	25.7	26.4	26.8
GE 12000	24.8	25.1	25.1	25.8	26.1	26.1	26.4	26.4	26.4	26.4	26.9	26.9	27.4	27.4	28.2	28.6
GE 10000	28.2	28.6	28.6	29.3	29.7	29.7	29.9	30.0	30.0	30.0	30.4	30.4	31.0	31.0	31.8	32.1
GE 9000	30.1	30.4	30.4	31.2	31.6	31.6	31.8	31.9	31.9	31.9	32.3	32.3	32.9	32.9	33.7	34.0
GE 8000	31.4	31.8	31.8	32.6	33.0	33.0	33.2	33.3	33.3	33.3	33.8	33.8	34.3	34.3	35.1	35.4
GE 7000	33.2	33.6	33.6	34.3	34.8	34.8	35.0	35.1	35.1	35.1	35.6	35.6	36.1	36.1	36.9	37.2
GE 6000	37.9	38.3	38.3	39.1	39.6	39.6	39.8	39.9	39.9	39.9	40.3	40.3	40.9	40.9	41.7	42.0
GE 5000	43.7	44.3	44.6	45.3	45.8	45.8	46.0	46.1	46.1	46.1	46.6	46.6	47.1	47.1	47.9	48.2
GE 4500	47.8	48.4	48.7	49.4	49.9	49.9	50.1	50.2	50.2	50.2	50.7	50.7	51.2	51.2	52.0	52.3
GE 4000	57.9	58.8	59.3	60.1	60.6	60.6	60.9	61.0	61.0	61.0	61.4	61.4	62.0	62.0	62.8	63.1
GE 3500	63.9	64.8	65.3	66.1	66.6	66.6	66.9	67.0	67.0	67.0	67.4	67.4	68.0	68.0	68.8	69.1
GE 3000	71.2	72.2	73.0	73.8	74.2	74.2	74.6	74.7	74.7	74.7	75.1	75.1	75.7	75.7	76.4	76.8
GE 2500	74.3	75.4	76.2	77.1	77.6	77.6	77.9	78.0	78.0	78.0	78.4	78.4	79.0	79.0	79.8	80.1
GE 2000	77.7	78.9	79.8	81.1	81.7	81.7	82.0	82.1	82.1	82.1	82.6	82.6	83.1	83.1	83.9	84.2
GE 1800	78.9	80.1	81.2	82.6	83.1	83.1	83.4	83.6	83.6	83.6	84.0	84.0	84.6	84.6	85.3	85.7
GE 1500	80.6	81.9	83.2	85.0	85.6	85.6	85.9	86.0	86.0	86.0	86.4	86.4	87.0	87.0	87.8	88.1
GE 1200	82.9	84.3	85.8	87.9	88.6	88.6	88.9	89.1	89.1	89.1	89.6	89.6	90.1	90.1	90.9	91.2
GE 1000	83.8	85.2	86.9	89.0	89.7	89.7	90.0	90.2	90.2	90.2	90.7	90.7	91.2	91.2	92.0	92.3
GE 900	84.9	86.4	88.2	90.6	91.2	91.2	91.6	91.8	91.8	91.8	92.2	92.2	92.8	92.8	93.6	93.9
GE 800	84.9	86.4	88.3	90.9	91.7	91.7	92.0	92.2	92.2	92.2	92.7	92.7	93.2	93.2	94.0	94.3
GE 700	84.9	86.4	88.3	90.9	91.7	91.7	92.0	92.2	92.2	92.2	92.7	92.7	93.2	93.2	94.0	94.3
GE 600	84.9	86.8	88.9	91.4	92.4	92.4	92.8	93.0	93.0	93.0	93.6	93.6	94.1	94.1	94.9	95.2
GE 500	84.9	86.8	89.0	91.6	92.6	92.6	92.9	93.1	93.2	93.3	93.9	93.9	94.4	94.4	95.2	95.6
GE 400	84.9	86.8	89.1	91.8	93.0	93.0	93.4	93.7	93.8	93.9	94.8	94.8	95.3	95.3	96.1	96.4
GE 300	84.9	86.8	89.1	91.8	93.1	93.1	93.6	93.8	93.9	94.0	94.9	94.9	95.4	95.4	96.4	96.8
GE 200	84.9	86.8	89.1	91.8	93.1	93.1	93.6	93.8	93.9	94.3	95.4	95.4	96.0	96.0	97.1	97.7
GE 100	85.1	87.0	89.3	92.0	93.3	93.3	93.8	94.0	94.1	94.6	95.7	95.7	96.3	96.3	97.4	99.9
GE 000	85.1	87.0	89.3	92.0	93.3	93.3	93.8	94.0	94.1	94.6	95.7	95.7	96.3	96.3	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	16.7	17.0	17.3	17.6	17.7	17.7	17.7	17.7	17.7	17.7	17.9	17.9	18.1	18.1	19.3	19.8
GE 20000	18.8	19.1	19.6	20.0	20.3	20.3	20.3	20.3	20.3	20.3	20.6	20.6	20.8	20.8	22.1	22.6
GE 18000	18.9	19.2	19.7	20.1	20.4	20.4	20.4	20.4	20.4	20.4	20.7	20.7	20.9	20.9	22.2	22.7
GE 16000	18.9	19.2	19.7	20.1	20.4	20.4	20.4	20.4	20.4	20.4	20.7	20.7	20.9	20.9	22.2	22.7
GE 14000	19.8	20.1	20.6	21.0	21.3	21.3	21.3	21.3	21.3	21.3	21.6	21.6	21.8	21.8	23.2	23.7
GE 12000	21.3	21.9	22.3	22.8	23.3	23.3	23.4	23.4	23.4	23.4	23.7	23.7	23.9	23.9	25.3	25.8
GE 10000	24.2	24.8	25.2	25.7	26.2	26.2	26.3	26.3	26.3	26.3	26.6	26.6	26.8	26.8	28.2	28.7
GE 9000	24.7	25.2	25.7	26.1	26.7	26.7	26.8	26.8	26.8	26.8	27.0	27.0	27.2	27.2	28.7	29.1
GE 8000	26.4	27.0	27.4	27.9	28.4	28.4	28.6	28.6	28.6	28.6	28.8	28.8	29.0	29.0	30.6	31.0
GE 7000	29.0	29.6	30.0	30.4	31.0	31.0	31.1	31.1	31.1	31.1	31.3	31.3	31.6	31.6	33.1	33.6
GE 6000	32.9	33.4	33.9	34.3	35.0	35.0	35.1	35.1	35.1	35.1	35.3	35.3	35.6	35.6	37.1	37.6
GE 5000	39.2	39.8	40.2	40.8	41.7	41.7	41.8	41.8	41.8	41.8	42.0	42.0	42.2	42.2	43.8	44.2
GE 4500	43.4	44.0	44.4	45.0	45.9	45.9	46.0	46.0	46.0	46.0	46.2	46.2	46.4	46.4	48.0	48.4
GE 4000	56.6	57.4	58.2	58.8	59.7	59.7	59.8	59.8	59.8	59.8	60.0	60.0	60.2	60.2	61.8	62.2
GE 3500	60.6	61.4	62.3	62.9	63.8	63.8	63.9	63.9	63.9	63.9	64.1	64.1	64.3	64.3	65.9	66.3
GE 3000	67.0	67.9	68.8	69.4	70.4	70.4	70.6	70.6	70.6	70.6	70.8	70.8	71.0	71.0	72.6	73.0
GE 2500	70.3	71.2	72.2	72.9	73.9	73.9	74.0	74.0	74.0	74.0	74.2	74.2	74.4	74.4	76.0	76.4
GE 2000	73.6	74.7	75.7	76.3	77.3	77.3	77.4	77.4	77.4	77.4	77.7	77.7	77.9	77.9	79.4	79.9
GE 1800	75.1	76.3	77.6	78.3	79.4	79.4	79.6	79.6	79.6	79.6	79.8	79.8	80.0	80.0	81.6	82.0
GE 1500	77.8	79.9	81.3	82.2	83.4	83.4	83.6	83.6	83.6	83.6	83.8	83.8	84.0	84.0	85.6	86.0
GE 1200	79.8	82.0	83.8	85.0	86.8	86.8	86.9	87.0	87.0	87.0	87.2	87.2	87.4	87.4	89.0	89.4
GE 1000	81.0	83.3	85.6	86.9	89.0	89.0	89.1	89.4	89.4	89.4	89.7	89.7	89.9	89.9	91.4	91.9
GE 900	81.3	83.7	85.9	87.2	89.3	89.3	89.4	89.8	89.8	89.8	90.0	90.0	90.2	90.2	91.8	92.2
GE 800	81.3	83.7	86.0	87.3	89.4	89.4	89.6	89.9	89.9	89.9	90.0	90.2	90.2	90.4	90.4	92.0
GE 700	81.4	83.8	86.2	87.6	89.7	89.7	89.8	90.1	90.1	90.2	90.6	90.6	90.8	90.8	92.3	92.8
GE 600	81.7	84.1	86.8	88.1	90.2	90.2	90.3	90.8	90.8	90.9	91.2	91.2	91.4	91.4	93.0	93.4
GE 500	81.9	84.3	87.4	89.0	91.3	91.3	91.4	92.0	92.0	92.1	92.4	92.4	92.7	92.7	94.2	94.7
GE 400	81.9	84.3	87.4	89.0	91.4	91.4	91.6	92.2	92.2	92.3	92.7	92.7	93.1	93.1	94.7	95.1
GE 300	81.9	84.3	87.4	89.1	91.8	91.8	92.0	92.7	92.7	92.9	93.2	93.2	94.1	94.1	95.8	96.2
GE 200	81.9	84.3	87.4	89.1	91.8	91.8	92.0	92.7	92.7	93.1	93.4	93.4	94.3	94.3	96.7	97.3
GE 100	81.9	84.3	87.4	89.1	91.9	91.9	92.1	92.8	92.8	93.2	93.6	93.6	94.4	94.4	97.0	99.9
GE 000	81.9	84.3	87.4	89.1	91.9	91.9	92.1	92.8	92.8	93.2	93.6	93.6	94.4	94.4	97.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAF OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	17.1	17.4	17.6	18.0	18.1	18.2	18.2	18.3	18.4	18.6	18.6	18.6	19.0	19.0	19.8	19.8
GE 20000	19.9	20.2	20.4	20.9	21.1	21.2	21.2	21.3	21.4	21.6	21.8	21.8	22.2	22.2	23.2	23.3
GE 18000	20.1	20.4	20.7	21.1	21.3	21.4	21.4	21.6	21.7	21.8	22.0	22.0	22.4	22.4	23.4	23.6
GE 16000	20.2	20.6	20.8	21.2	21.4	21.6	21.6	21.7	21.8	21.9	22.1	22.1	22.6	22.6	23.6	23.7
GE 14000	21.1	21.4	21.7	22.1	22.3	22.4	22.4	22.6	22.7	22.8	23.0	23.0	23.4	23.4	24.4	24.6
GE 12000	23.3	23.8	24.0	24.4	24.7	24.8	24.8	24.9	25.0	25.1	25.3	25.3	25.8	25.8	26.8	26.9
GE 10000	25.6	26.0	26.2	26.7	26.9	27.0	27.0	27.1	27.2	27.3	27.6	27.6	28.0	28.0	29.0	29.1
GE 9000	27.1	27.6	27.8	28.2	28.4	28.6	28.6	28.7	28.8	28.9	29.1	29.1	29.6	29.6	30.6	30.7
GE 8000	29.0	29.4	29.7	30.1	30.3	30.4	30.4	30.6	30.7	30.8	31.0	31.0	31.4	31.4	32.4	32.6
GE 7000	31.6	32.0	32.2	32.7	32.9	33.0	33.0	33.1	33.2	33.3	33.6	33.6	34.0	34.0	35.1	35.2
GE 6000	35.3	35.8	36.1	36.6	36.8	36.9	36.9	37.1	37.2	37.3	37.6	37.6	38.0	38.0	39.1	39.2
GE 5000	41.2	41.7	42.0	42.4	42.8	42.9	42.9	43.1	43.2	43.3	43.6	43.6	44.0	44.0	45.1	45.2
GE 4500	44.8	45.2	45.6	46.1	46.4	46.6	46.6	46.8	46.9	47.0	47.2	47.2	47.7	47.7	48.9	49.0
GE 4000	52.8	53.2	53.6	54.1	54.4	54.6	54.6	54.8	54.9	55.0	55.2	55.2	55.7	55.7	56.9	57.0
GE 3500	57.9	58.3	58.8	59.3	59.7	59.8	59.8	60.0	60.1	60.2	60.4	60.4	60.9	60.9	62.1	62.2
GE 3000	64.6	65.0	65.6	66.1	66.4	66.6	66.6	66.8	66.9	67.0	67.2	67.2	67.7	67.7	68.9	69.0
GE 2500	68.3	69.0	69.9	70.7	71.0	71.1	71.1	71.4	71.6	71.7	71.9	71.9	72.3	72.3	73.6	73.7
GE 2000	71.4	72.1	73.1	73.9	74.3	74.6	74.6	74.9	75.0	75.1	75.3	75.3	75.8	75.8	77.0	77.1
GE 1800	72.1	72.9	74.0	74.8	75.2	75.4	75.4	75.8	75.9	76.0	76.2	76.2	76.7	76.7	77.9	78.0
GE 1500	74.6	75.7	76.9	78.0	78.8	79.0	79.0	79.3	79.4	79.6	79.8	79.8	80.2	80.2	81.4	81.6
GE 1200	78.1	79.3	81.2	83.6	84.6	84.8	84.8	85.1	85.2	85.3	85.7	85.7	86.1	86.1	87.3	87.4
GE 1000	79.8	81.1	83.1	85.6	86.7	86.9	87.1	87.4	87.6	87.7	88.0	88.0	88.4	88.4	89.7	89.8
GE 900	80.2	81.6	83.8	86.2	87.4	87.7	87.9	88.4	88.6	88.7	89.0	89.0	89.4	89.4	90.7	90.8
GE 800	80.4	81.8	84.1	86.6	87.9	88.1	88.3	88.9	89.0	89.1	89.4	89.4	89.9	89.9	91.1	91.2
GE 700	80.4	81.8	84.4	87.0	88.4	88.7	88.9	89.4	89.6	89.7	90.0	90.0	90.4	90.4	91.7	91.8
GE 600	80.4	81.8	84.4	87.0	88.6	88.8	89.0	89.6	89.7	89.8	90.1	90.1	90.6	90.6	91.8	91.9
GE 500	80.7	82.2	85.2	88.1	90.1	90.6	90.9	91.6	91.7	91.8	92.2	92.2	92.7	92.7	93.9	94.0
GE 400	80.7	82.2	85.2	88.1	90.2	90.8	91.2	92.1	92.3	92.6	93.0	93.0	93.4	93.4	94.7	94.9
GE 300	80.7	82.2	85.3	88.2	90.3	90.9	91.4	92.4	92.7	93.0	93.6	93.6	94.4	94.4	95.8	96.1
GE 200	80.7	82.2	85.3	88.2	90.3	90.9	91.4	92.4	92.7	93.2	93.8	93.8	94.7	94.7	96.8	98.0
GE 100	80.7	82.2	85.3	88.2	90.3	90.9	91.4	92.4	92.7	93.2	93.9	93.9	94.8	94.8	97.2	99.9
GE 000	80.7	82.2	85.3	88.2	90.3	90.9	91.4	92.4	92.7	93.2	93.9	93.9	94.8	94.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	15.8	15.9	15.9	16.1	16.2	16.3	16.6	16.7	16.7	17.1	17.3	17.3	17.7	17.7	18.2	18.6
GE 20000	21.0	21.3	21.4	21.8	21.9	22.0	22.2	22.3	22.3	22.8	23.0	23.0	23.3	23.3	23.9	24.2
GE 18000	21.1	21.4	21.6	21.9	22.0	22.1	22.3	22.4	22.4	22.9	23.1	23.1	23.4	23.4	24.0	24.3
GE 16000	22.0	22.3	22.4	22.8	22.9	23.0	23.2	23.3	23.3	23.8	24.0	24.0	24.3	24.3	24.9	25.2
GE 14000	23.4	23.8	23.9	24.2	24.3	24.4	24.7	24.8	24.8	25.2	25.4	25.4	25.8	25.8	26.3	26.7
GE 12000	25.7	26.0	26.1	26.4	26.7	26.8	27.0	27.1	27.1	27.6	27.8	27.8	28.1	28.1	28.7	29.0
GE 10000	27.8	28.1	28.3	28.7	28.9	29.0	29.2	29.3	29.3	29.8	30.0	30.0	30.4	30.4	31.0	31.3
GE 9000	29.8	30.2	30.4	30.8	31.0	31.1	31.3	31.4	31.4	31.9	32.1	32.1	32.6	32.6	33.1	33.4
GE 8000	31.8	32.2	32.4	32.8	33.0	33.1	33.3	33.4	33.4	33.9	34.1	34.1	34.6	34.6	35.1	35.4
GE 7000	33.9	34.3	34.6	34.9	35.1	35.2	35.4	35.6	35.6	36.0	36.2	36.2	36.7	36.7	37.2	37.6
GE 6000	40.1	40.7	40.9	41.2	41.4	41.6	41.8	41.9	41.9	42.3	42.6	42.6	43.0	43.0	43.6	43.9
GE 5000	46.4	47.1	47.3	47.7	47.9	48.0	48.2	48.3	48.3	48.8	49.0	49.0	49.4	49.4	50.0	50.3
GE 4500	50.1	50.9	51.2	51.6	51.8	51.9	52.1	52.2	52.2	52.7	52.9	52.9	53.3	53.3	53.9	54.2
GE 4000	58.4	59.2	59.7	60.1	60.4	60.6	60.9	61.0	61.0	61.4	61.7	61.7	62.1	62.1	62.7	63.0
GE 3500	62.6	63.3	64.1	64.6	64.9	65.0	65.3	65.4	65.4	65.9	66.1	66.1	66.6	66.6	67.1	67.4
GE 3000	66.9	68.0	68.9	69.4	70.0	70.1	70.7	70.8	70.8	71.2	71.4	71.4	71.9	71.9	72.4	72.8
GE 2500	69.7	71.2	72.2	72.8	73.3	73.4	74.1	74.2	74.2	74.7	74.9	74.9	75.3	75.3	75.9	76.2
GE 2000	71.9	73.9	75.3	75.9	76.7	76.8	77.6	77.7	77.7	78.1	78.3	78.3	78.8	78.8	79.3	79.7
GE 1800	72.9	75.4	77.0	77.8	78.7	78.9	79.7	79.8	79.8	80.2	80.4	80.4	80.9	80.9	81.4	81.8
GE 1500	76.3	79.7	81.4	82.7	83.9	84.1	85.0	85.2	85.2	85.7	85.9	85.9	86.3	86.3	86.9	87.2
GE 1200	79.4	82.6	84.7	86.4	87.9	88.1	89.0	89.2	89.2	89.7	89.9	89.9	90.3	90.3	90.9	91.2
GE 1000	79.9	83.2	85.4	87.2	89.1	89.3	90.3	90.6	90.7	91.1	91.3	91.3	91.8	91.8	92.3	92.7
GE 900	79.9	83.2	85.6	87.3	89.3	89.6	90.6	90.8	90.9	91.3	91.6	91.6	92.0	92.0	92.6	92.9
GE 800	80.0	83.4	85.9	87.8	89.9	90.1	91.1	91.3	91.4	91.9	92.1	92.1	92.6	92.6	93.1	93.4
GE 700	80.2	83.7	86.2	88.2	90.3	90.6	91.6	91.8	91.9	92.3	92.6	92.6	93.0	93.0	93.6	93.9
GE 600	80.2	83.7	86.2	88.6	90.7	90.9	91.9	92.1	92.2	92.7	92.9	92.9	93.3	93.3	93.9	94.2
GE 500	80.2	83.7	86.4	88.9	91.3	91.6	92.7	92.9	93.0	93.4	93.7	93.7	94.1	94.1	94.8	95.1
GE 400	80.2	83.7	86.4	88.9	91.3	91.8	93.0	93.6	93.7	94.1	94.3	94.3	94.8	94.8	95.6	95.9
GE 300	80.2	83.7	86.4	89.0	91.6	92.0	93.4	94.2	94.3	95.0	95.3	95.3	96.1	96.1	97.0	97.3
GE 200	80.2	83.7	86.4	89.0	91.6	92.1	93.6	94.4	94.6	95.2	95.7	95.7	96.7	96.7	98.4	99.3
GE 100	80.2	83.7	86.4	89.0	91.6	92.1	93.6	94.6	94.7	95.4	95.9	95.9	96.9	96.9	98.7	100.0
GE 000	80.2	83.7	86.4	89.0	91.6	92.1	93.6	94.6	94.7	95.4	95.9	95.9	96.9	96.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	23.0	23.2	23.3	23.4	23.9	23.9	23.9	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
GE 20000	27.8	28.0	28.3	28.4	28.9	28.9	28.9	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
GE 18000	27.8	28.0	28.3	28.4	28.9	28.9	28.9	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
GE 16000	28.1	28.3	28.7	28.8	29.2	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
GE 14000	29.8	30.0	30.3	30.4	30.9	30.9	30.9	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
GE 12000	32.4	32.7	33.0	33.3	33.8	33.8	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 10000	35.6	35.8	36.1	36.4	36.9	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 9000	37.0	37.1	37.6	37.9	38.3	38.3	38.3	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
GE 8000	38.6	38.8	39.1	39.4	39.9	39.9	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
GE 7000	40.6	40.8	41.1	41.4	41.9	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GE 6000	46.1	46.6	46.9	47.2	47.7	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 5000	53.6	54.0	54.3	54.7	55.1	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 4500	59.1	59.6	60.0	60.3	60.9	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 4000	66.9	67.6	68.0	68.3	68.9	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 3500	69.8	70.4	70.9	71.2	71.9	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 3000	75.2	76.3	77.1	77.6	78.3	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 2500	78.3	79.6	80.8	81.3	82.1	82.3	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2000	81.4	83.1	84.6	85.4	86.2	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1800	82.8	84.7	86.1	87.2	88.0	88.4	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1500	85.8	87.9	89.4	90.8	91.8	92.2	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1200	88.6	91.2	92.9	94.2	95.2	95.9	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1000	89.4	92.4	94.2	95.6	96.6	97.2	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 900	89.6	92.6	94.4	95.9	96.9	97.6	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 800	89.6	92.6	94.4	96.2	97.2	97.9	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	89.6	92.6	94.4	96.4	97.4	98.1	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	89.7	92.7	94.6	96.6	97.6	98.2	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 500	89.7	92.7	94.6	96.6	97.7	98.4	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	89.7	92.7	94.6	96.6	97.8	98.7	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	89.7	92.7	94.6	96.6	97.8	98.7	99.0	99.3	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	89.7	92.7	94.6	96.6	97.9	98.8	99.1	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.7	92.7	94.6	96.6	97.9	98.8	99.1	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.7	92.7	94.6	96.6	97.9	98.8	99.1	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.4	25.9	26.2	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
GE 20000	30.1	30.6	30.9	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
GE 18000	30.6	31.1	31.4	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 16000	31.2	31.8	32.1	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 14000	34.2	34.8	35.1	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 12000	37.0	37.6	37.9	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 10000	39.3	39.9	40.3	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
GE 9000	41.3	41.9	42.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 8000	42.2	42.8	43.2	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 7000	43.9	44.4	44.9	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 6000	49.1	49.7	50.2	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 5000	57.2	58.0	58.6	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 4500	60.6	61.3	62.0	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 4000	71.1	72.2	73.3	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 3500	75.2	76.3	77.7	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 3000	81.8	83.2	84.8	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500	84.6	86.3	88.1	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 2000	86.2	88.2	90.4	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1800	87.3	89.3	91.9	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1500	88.2	90.7	93.4	94.7	95.6	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1200	89.8	92.6	95.8	97.0	98.1	98.2	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	89.9	92.7	96.1	97.3	98.4	98.6	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	89.9	92.8	96.2	97.4	98.7	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	89.9	92.8	96.2	97.6	98.8	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	89.9	92.8	96.2	97.6	98.8	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	89.9	92.8	96.2	97.6	98.8	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	89.9	92.8	96.2	97.6	98.8	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	89.9	92.8	96.2	97.6	98.8	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	89.9	92.8	96.2	97.6	98.8	98.9	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	89.9	92.8	96.2	97.6	98.8	98.9	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.9	92.8	96.2	97.6	98.8	98.9	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	89.9	92.8	96.2	97.6	98.8	98.9	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.8	26.1	26.3	26.7	26.9	26.9	26.9	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0
GE 20000	29.6	29.9	30.1	30.4	30.9	31.1	31.1	31.1	31.1	31.2	31.2	31.2	31.2	31.2	31.3	31.3
GE 18000	30.1	30.4	30.7	31.0	31.4	31.7	31.7	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.9	31.9
GE 16000	30.4	30.8	31.0	31.3	31.8	32.0	32.0	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.2	32.2
GE 14000	33.1	33.4	33.7	34.0	34.4	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.9	34.9
GE 12000	35.2	35.7	35.9	36.2	36.7	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.1	37.1
GE 10000	37.8	38.3	38.6	38.9	39.3	39.6	39.6	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.8	39.8
GE 9000	39.3	39.9	40.1	40.4	40.9	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.2	41.2	41.3	41.3
GE 8000	41.7	42.2	42.6	42.9	43.3	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.8	43.8
GE 7000	44.9	45.4	45.9	46.2	46.7	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.1	47.1
GE 6000	48.9	49.4	49.9	50.3	50.8	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.2	51.2
GE 5000	56.6	57.2	57.7	58.1	58.6	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0	59.0
GE 4500	61.6	62.2	62.8	63.3	63.8	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.2	64.2
GE 4000	72.7	73.4	74.2	74.9	75.3	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.8	75.8
GE 3500	77.4	78.2	79.0	79.7	80.1	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.6	80.6
GE 3000	84.3	85.2	86.2	86.9	87.3	87.6	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.8	87.8
GE 2500	85.8	87.0	88.3	89.0	89.6	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	90.0	90.0
GE 2000	87.8	89.2	90.7	91.3	91.9	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.3	92.3
GE 1800	88.7	90.2	91.7	92.4	93.0	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.4	93.4
GE 1500	90.0	91.8	93.8	94.9	95.4	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.9	95.9
GE 1200	92.0	93.9	95.9	97.2	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2
GE 1000	92.0	94.0	96.0	97.3	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3
GE 900	92.0	94.0	96.1	97.4	98.2	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7
GE 800	92.0	94.1	96.3	97.7	98.4	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9
GE 700	92.0	94.1	96.4	97.9	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
GE 600	92.0	94.1	96.4	97.9	99.0	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.6	99.6
GE 500	92.0	94.1	96.4	97.9	99.0	99.3	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.7	99.7
GE 400	92.0	94.1	96.4	97.9	99.1	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
GE 300	92.0	94.1	96.4	97.9	99.2	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 200	92.0	94.1	96.4	97.9	99.2	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 100	92.0	94.1	96.4	97.9	99.2	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 000	92.0	94.1	96.4	97.9	99.2	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	22.8	23.0	23.3	23.8	24.1	24.1	24.4	24.4	24.6	24.7	24.8	24.8	24.9	24.9	25.2	25.6
GE 20000	27.1	27.3	27.7	28.1	28.4	28.4	28.8	28.8	28.9	29.2	29.3	29.3	29.4	29.4	30.0	30.3
GE 18000	27.2	27.4	27.8	28.2	28.6	28.6	28.9	28.9	29.0	29.3	29.4	29.4	29.6	29.6	30.1	30.4
GE 16000	27.4	27.7	28.0	28.4	28.8	28.8	29.1	29.1	29.2	29.6	29.7	29.7	29.8	29.8	30.3	30.7
GE 14000	29.3	29.6	29.9	30.3	30.7	30.7	31.0	31.0	31.1	31.4	31.6	31.6	31.7	31.7	32.2	32.6
GE 12000	31.7	31.9	32.2	32.7	33.0	33.0	33.3	33.3	33.4	33.8	33.9	33.9	34.0	34.0	34.6	34.9
GE 10000	34.9	35.1	35.4	35.9	36.2	36.2	36.6	36.6	36.7	37.0	37.1	37.1	37.2	37.2	37.8	38.1
GE 9000	36.1	36.3	36.7	37.1	37.4	37.4	37.8	37.8	37.9	38.2	38.3	38.3	38.4	38.4	39.0	39.3
GE 8000	38.1	38.3	38.7	39.1	39.4	39.4	39.6	39.8	39.9	40.2	40.3	40.3	40.4	40.4	41.0	41.3
GE 7000	40.1	40.3	40.8	41.2	41.6	41.6	41.9	41.9	42.0	42.3	42.4	42.4	42.6	42.6	43.1	43.4
GE 6000	43.9	44.1	44.6	45.0	45.3	45.3	45.7	45.7	45.8	46.1	46.2	46.2	46.3	46.3	46.9	47.2
GE 5000	50.9	51.2	51.9	52.3	52.7	52.7	53.0	53.0	53.1	53.4	53.6	53.6	53.7	53.7	54.2	54.6
GE 4500	56.7	57.0	57.7	58.1	58.4	58.4	58.8	58.8	58.9	59.2	59.3	59.3	59.4	59.4	60.0	60.3
GE 4000	67.4	68.1	69.0	69.6	69.9	69.9	70.2	70.2	70.3	70.7	70.8	70.8	70.9	70.9	71.4	71.8
GE 3500	72.9	73.6	74.6	75.1	75.4	75.4	75.8	75.8	75.9	76.2	76.3	76.3	76.4	76.4	77.0	77.3
GE 3000	78.2	78.9	80.2	80.8	81.1	81.1	81.4	81.4	81.6	81.9	82.0	82.0	82.1	82.1	82.7	83.0
GE 2500	80.8	81.7	83.1	83.7	84.1	84.1	84.4	84.4	84.6	84.9	85.0	85.0	85.1	85.1	85.7	86.0
GE 2000	83.6	84.7	86.4	87.3	87.8	87.8	88.1	88.1	88.2	88.6	88.7	88.7	88.8	88.8	89.3	89.7
GE 1800	84.7	85.8	87.8	88.7	89.1	89.1	89.4	89.4	89.6	89.9	90.0	90.0	90.1	90.1	90.7	91.0
GE 1500	87.2	88.7	91.1	92.0	92.4	92.4	92.8	92.8	92.9	93.2	93.3	93.3	93.4	93.4	94.0	94.3
GE 1200	88.3	90.0	92.4	93.3	93.8	93.8	94.1	94.1	94.2	94.6	94.7	94.7	94.8	94.8	95.3	95.7
GE 1000	88.4	90.2	92.7	93.6	94.0	94.0	94.3	94.3	94.4	94.8	94.9	94.9	95.0	95.0	95.6	95.9
GE 900	88.9	90.7	93.1	94.0	94.4	94.4	94.8	94.8	94.9	95.2	95.3	95.3	95.4	95.4	96.0	96.3
GE 800	88.9	91.0	93.7	94.6	95.0	95.0	95.3	95.3	95.4	95.8	95.9	95.9	96.0	96.0	96.6	96.9
GE 700	89.0	91.1	93.8	94.7	95.1	95.1	95.4	95.4	95.6	95.9	96.0	96.0	96.1	96.1	96.7	97.0
GE 600	89.0	91.3	94.1	95.3	96.2	96.2	96.6	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.8	98.1
GE 500	89.0	91.3	94.1	95.6	96.4	96.6	96.9	97.0	97.1	97.4	97.6	97.6	97.7	97.7	98.2	98.6
GE 400	89.0	91.3	94.1	95.6	96.7	96.8	97.1	97.3	97.4	97.8	97.9	97.9	98.0	98.0	98.6	98.9
GE 300	89.0	91.3	94.1	95.6	96.7	96.8	97.2	97.4	97.6	97.9	98.0	98.0	98.2	98.2	98.8	99.1
GE 200	89.0	91.3	94.1	95.6	96.7	96.8	97.3	97.6	97.8	98.1	98.4	98.4	98.7	98.7	99.2	99.6
GE 100	89.0	91.3	94.1	95.6	96.7	96.8	97.3	97.6	97.8	98.1	98.4	98.4	98.7	98.7	99.2	99.9
GE 000	89.0	91.3	94.1	95.6	96.7	96.8	97.3	97.6	97.8	98.1	98.4	98.4	98.7	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	20.6	20.9	21.1	21.4	21.6	21.7	21.8	21.8	21.8	21.9	22.1	22.1	22.3	22.3	22.7	22.9
GE 20000	24.5	24.8	25.0	25.4	25.7	25.7	25.8	25.9	25.9	26.1	26.2	26.2	26.4	26.4	27.0	27.2
GE 18000	24.7	25.0	25.3	25.6	25.9	26.0	26.1	26.1	26.2	26.3	26.4	26.4	26.6	26.6	27.2	27.4
GE 16000	25.0	25.3	25.6	25.9	26.2	26.3	26.4	26.4	26.5	26.6	26.8	26.8	27.0	27.0	27.5	27.7
GE 14000	26.7	27.1	27.3	27.7	28.0	28.0	28.1	28.2	28.2	28.4	28.5	28.5	28.7	28.7	29.3	29.5
GE 12000	28.9	29.3	29.6	30.0	30.3	30.4	30.5	30.6	30.6	30.7	30.9	30.9	31.1	31.1	31.6	31.8
GE 10000	31.7	32.1	32.3	32.8	33.1	33.2	33.3	33.4	33.4	33.5	33.7	33.7	33.9	33.9	34.4	34.6
GE 9000	33.2	33.6	33.9	34.3	34.7	34.7	34.8	34.9	34.9	35.0	35.2	35.2	35.4	35.4	36.0	36.2
GE 8000	34.9	35.3	35.6	36.1	36.4	36.5	36.6	36.6	36.7	36.8	36.9	36.9	37.2	37.2	37.7	37.9
GE 7000	37.1	37.6	37.9	38.3	38.7	38.7	38.8	38.9	38.9	39.1	39.2	39.2	39.4	39.4	40.0	40.2
GE 6000	41.8	42.3	42.6	43.1	43.4	43.5	43.6	43.7	43.7	43.8	44.0	44.0	44.2	44.2	44.8	45.0
GE 5000	48.6	49.2	49.6	50.1	50.5	50.5	50.6	50.7	50.8	50.9	51.0	51.0	51.3	51.3	51.8	52.0
GE 4500	53.0	53.6	54.0	54.6	55.0	55.1	55.2	55.3	55.3	55.4	55.6	55.6	55.8	55.8	56.4	56.6
GE 4000	63.0	63.8	64.4	65.0	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.0	66.3	66.3	66.8	67.0
GE 3500	67.5	68.3	69.1	69.7	70.1	70.2	70.3	70.4	70.4	70.6	70.7	70.7	70.9	70.9	71.5	71.7
GE 3000	73.7	74.6	75.6	76.2	76.7	76.8	77.0	77.1	77.1	77.2	77.4	77.4	77.6	77.6	78.2	78.4
GE 2500	76.5	77.7	78.9	79.5	80.1	80.2	80.4	80.5	80.5	80.6	80.8	80.8	81.0	81.0	81.6	81.8
GE 2000	79.2	80.6	82.0	82.8	83.5	83.6	83.8	83.9	83.9	84.0	84.2	84.2	84.4	84.4	85.0	85.2
GE 1800	80.3	81.8	83.4	84.3	85.0	85.2	85.4	85.5	85.5	85.6	85.8	85.8	86.0	86.0	86.6	86.8
GE 1500	82.6	84.5	86.3	87.5	88.4	88.5	88.8	88.9	88.9	89.0	89.2	89.2	89.4	89.4	90.0	90.2
GE 1200	84.9	87.0	89.1	90.6	91.6	91.8	92.1	92.3	92.3	92.4	92.6	92.6	92.8	92.8	93.4	93.6
GE 1000	85.5	87.8	90.0	91.6	92.7	92.8	93.2	93.4	93.5	93.6	93.8	93.8	94.0	94.0	94.6	94.8
GE 900	85.8	88.1	90.4	92.0	93.2	93.4	93.8	94.0	94.0	94.2	94.3	94.3	94.6	94.6	95.2	95.3
GE 800	85.9	88.2	90.6	92.3	93.5	93.7	94.1	94.3	94.4	94.5	94.7	94.7	94.9	94.9	95.5	95.7
GE 700	85.9	88.3	90.8	92.5	93.8	94.0	94.3	94.6	94.6	94.8	94.9	94.9	95.2	95.2	95.8	96.0
GE 600	86.0	88.4	91.0	92.8	94.2	94.4	94.7	95.0	95.1	95.2	95.4	95.4	95.6	95.6	96.2	96.4
GE 500	86.0	88.5	91.2	93.1	94.7	94.9	95.3	95.6	95.7	95.9	96.1	96.1	96.3	96.3	96.9	97.1
GE 400	86.0	88.5	91.2	93.2	94.8	95.1	95.6	96.0	96.1	96.2	96.5	96.5	96.7	96.7	97.4	97.6
GE 300	86.0	88.5	91.2	93.2	94.9	95.2	95.7	96.2	96.3	96.5	96.8	96.8	97.2	97.2	97.9	98.2
GE 200	86.0	88.5	91.2	93.2	94.9	95.3	95.8	96.3	96.4	96.7	97.1	97.1	97.5	97.5	98.5	99.0
GE 100	86.1	88.5	91.2	93.2	95.0	95.3	95.8	96.3	96.4	96.8	97.2	97.2	97.6	97.6	98.7	99.9
GE 000	86.1	88.5	91.2	93.2	95.0	95.3	95.8	96.3	96.4	96.8	97.2	97.2	97.6	97.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.9	26.2	26.6	26.8	27.4	27.4	27.5	27.7	27.7	27.8	28.0	28.0	28.0	28.0	28.4	28.4
GE 20000	28.6	28.9	29.2	29.5	30.1	30.1	30.2	30.4	30.4	30.5	30.8	30.8	30.8	30.8	31.2	31.2
GE 18000	28.9	29.2	29.6	29.9	30.5	30.5	30.6	30.9	30.9	31.0	31.2	31.2	31.2	31.2	31.6	31.6
GE 16000	28.9	29.2	29.6	29.9	30.5	30.5	30.6	30.9	30.9	31.0	31.2	31.2	31.2	31.2	31.6	31.6
GE 14000	29.9	30.2	30.5	31.0	31.6	31.6	31.7	31.9	31.9	32.0	32.3	32.3	32.3	32.3	32.7	32.7
GE 12000	32.2	32.5	32.8	33.2	33.9	33.9	34.0	34.2	34.2	34.3	34.5	34.5	34.5	34.5	34.9	34.9
GE 10000	35.1	35.6	35.9	36.3	37.1	37.1	37.2	37.4	37.4	37.5	37.7	37.7	37.7	37.7	38.2	38.2
GE 9000	36.2	36.8	37.1	37.5	38.3	38.3	38.4	38.6	38.6	38.7	39.0	39.0	39.0	39.0	39.5	39.5
GE 8000	37.7	38.3	38.6	39.0	39.8	39.8	39.9	40.1	40.1	40.2	40.5	40.5	40.5	40.5	41.0	41.0
GE 7000	39.9	40.5	40.9	41.3	42.0	42.0	42.2	42.4	42.4	42.5	42.8	42.8	42.8	42.8	43.2	43.2
GE 6000	43.0	43.7	44.0	44.4	45.2	45.2	45.3	45.5	45.5	45.6	45.9	45.9	45.9	45.9	46.3	46.3
GE 5000	48.2	48.8	49.2	49.7	50.4	50.4	50.5	50.8	50.8	50.9	51.2	51.2	51.2	51.2	51.6	51.8
GE 4500	51.7	52.6	53.0	53.4	54.3	54.3	54.4	54.6	54.6	54.7	55.1	55.1	55.1	55.1	55.5	55.7
GE 4000	59.6	60.4	60.9	61.3	62.4	62.4	62.6	62.8	62.8	62.9	63.2	63.2	63.2	63.2	63.7	63.9
GE 3500	63.3	64.2	64.6	65.1	66.1	66.1	66.3	66.6	66.6	66.7	67.0	67.0	67.0	67.0	67.4	67.6
GE 3000	69.1	70.1	70.6	71.4	72.6	72.6	72.8	73.0	73.0	73.1	73.4	73.4	73.4	73.4	73.9	74.1
GE 2500	71.2	72.4	73.3	74.2	75.4	75.6	75.8	76.0	76.0	76.1	76.5	76.5	76.5	76.5	76.9	77.1
GE 2000	73.1	74.5	75.6	76.5	77.7	78.0	78.4	78.6	78.6	78.7	79.0	79.0	79.0	79.0	79.5	79.7
GE 1800	74.5	76.0	77.3	78.4	79.7	79.9	80.4	80.6	80.6	80.8	81.1	81.1	81.1	81.1	81.5	81.7
GE 1500	76.2	77.7	79.1	80.4	81.7	81.9	82.5	82.7	82.8	83.1	83.1	83.1	83.1	83.1	83.5	83.8
GE 1200	78.5	80.1	81.7	83.1	84.5	84.7	85.3	85.6	85.6	85.7	86.0	86.0	86.0	86.0	86.5	86.7
GE 1000	79.6	81.2	82.8	84.2	85.7	85.9	86.5	86.8	86.8	87.0	87.3	87.3	87.3	87.3	87.7	88.0
GE 900	80.0	81.9	83.7	85.4	86.9	87.1	87.6	88.0	88.0	88.2	88.5	88.5	88.5	88.5	88.9	89.1
GE 800	80.0	81.9	83.7	85.4	86.9	87.1	87.6	88.0	88.0	88.2	88.5	88.5	88.5	88.5	88.9	89.1
GE 700	80.3	82.4	84.1	86.0	88.2	88.4	89.0	89.7	89.8	90.0	90.3	90.3	90.3	90.3	90.8	91.0
GE 600	80.5	82.6	84.4	86.5	88.9	89.1	89.8	90.8	90.9	91.1	91.4	91.4	91.5	91.5	92.0	92.3
GE 500	80.6	82.7	84.6	86.8	89.8	90.0	90.8	91.8	91.9	92.3	92.6	92.6	92.7	92.7	93.2	93.4
GE 400	80.9	83.0	85.4	87.8	91.0	91.2	91.9	93.0	93.1	93.7	94.2	94.2	94.3	94.3	94.8	95.1
GE 300	80.9	83.1	85.7	88.3	91.8	92.0	93.2	94.7	94.9	95.7	96.2	96.2	96.9	96.9	97.5	97.8
GE 200	80.9	83.1	85.7	88.3	91.8	92.0	93.2	94.7	94.9	95.8	96.5	96.5	97.2	97.2	98.1	98.4
GE 100	80.9	83.1	85.7	88.3	91.8	92.0	93.2	94.7	94.9	95.8	96.5	96.5	97.2	97.2	98.1	99.7
GE 000	80.9	83.1	85.7	88.3	91.8	92.0	93.2	94.7	94.9	95.8	96.5	96.5	97.2	97.2	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	24.1	24.2	24.4	24.6	25.2	25.3	25.4	25.5	25.5	25.8	26.0	26.0	26.0	26.0	26.3	26.6
GE 20000	26.6	26.7	26.9	27.1	27.6	27.7	27.8	28.0	28.0	28.3	28.5	28.5	28.5	28.5	28.8	29.0
GE 18000	27.0	27.1	27.3	27.5	28.1	28.2	28.3	28.4	28.4	28.7	28.9	28.9	28.9	28.9	29.2	29.5
GE 16000	27.0	27.1	27.3	27.5	28.1	28.2	28.3	28.4	28.4	28.7	28.9	28.9	28.9	28.9	29.2	29.5
GE 14000	27.5	27.6	27.8	28.1	28.6	28.7	28.8	28.9	28.9	29.2	29.5	29.5	29.5	29.5	29.8	30.0
GE 12000	28.6	28.7	28.9	29.1	29.7	29.8	29.9	30.0	30.0	30.3	30.5	30.5	30.5	30.5	30.9	31.1
GE 10000	31.5	31.6	31.8	32.0	32.6	32.7	32.8	32.9	32.9	33.2	33.4	33.4	33.4	33.4	33.8	34.0
GE 9000	32.4	32.5	32.7	32.9	33.4	33.5	33.7	33.8	33.8	34.1	34.3	34.3	34.3	34.3	34.6	34.8
GE 8000	34.5	34.6	34.8	35.1	35.6	35.7	35.8	35.9	35.9	36.2	36.5	36.5	36.5	36.5	36.8	37.0
GE 7000	36.5	36.6	36.8	37.0	37.5	37.6	37.7	37.8	37.8	38.2	38.4	38.4	38.4	38.4	38.7	38.9
GE 6000	39.9	40.2	40.4	40.6	41.2	41.3	41.4	41.5	41.5	41.8	42.0	42.0	42.0	42.0	42.4	42.6
GE 5000	45.2	45.6	45.8	46.0	46.7	46.8	47.1	47.2	47.2	47.5	47.7	47.7	47.7	47.7	48.1	48.3
GE 4500	48.5	48.9	49.1	49.4	50.0	50.1	50.4	50.5	50.5	50.9	51.1	51.1	51.1	51.1	51.4	51.6
GE 4000	56.1	57.1	57.4	57.8	58.7	58.8	59.1	59.2	59.2	59.6	59.8	59.8	59.8	59.8	60.1	60.3
GE 3500	59.8	60.9	61.2	61.7	62.6	62.7	63.0	63.1	63.1	63.4	63.7	63.7	63.7	63.7	64.0	64.2
GE 3000	64.0	65.2	65.9	66.8	67.6	67.7	68.1	68.2	68.2	68.5	68.7	68.7	68.7	68.7	69.0	69.2
GE 2500	66.2	67.8	68.8	69.9	70.8	70.9	71.2	71.3	71.3	71.6	71.8	71.8	71.8	71.8	72.2	72.4
GE 2000	68.3	70.2	71.7	72.9	73.8	73.9	74.2	74.4	74.4	74.8	75.1	75.1	75.1	75.1	75.4	75.6
GE 1800	69.6	71.6	73.2	74.6	75.5	75.7	76.0	76.2	76.2	76.7	76.9	76.9	76.9	76.9	77.2	77.4
GE 1500	71.4	73.7	75.6	77.1	78.1	78.4	78.9	79.2	79.2	79.7	79.9	79.9	79.9	79.9	80.2	80.4
GE 1200	73.5	75.9	78.4	80.2	81.6	81.9	82.5	82.9	82.9	83.3	83.5	83.5	83.5	83.5	83.9	84.1
GE 1000	74.9	77.4	80.0	81.8	83.2	83.5	84.1	84.5	84.5	84.9	85.3	85.3	85.3	85.3	85.6	86.0
GE 900	75.4	78.0	80.8	82.9	84.5	84.8	85.4	85.8	85.8	86.2	86.6	86.6	86.6	86.6	86.9	87.3
GE 800	75.5	78.1	81.1	83.3	85.2	85.5	86.0	86.5	86.5	87.0	87.3	87.3	87.3	87.3	87.6	88.1
GE 700	76.3	79.1	82.6	85.1	87.2	87.6	88.2	88.6	88.6	89.2	89.6	89.6	89.6	89.6	89.9	90.3
GE 600	76.6	79.4	82.8	85.7	88.1	88.6	89.1	89.6	89.6	90.2	90.5	90.5	90.5	90.5	91.0	91.4
GE 500	76.6	79.4	83.0	86.2	88.9	89.5	90.1	90.6	90.6	91.3	91.6	91.6	91.6	91.6	92.0	92.5
GE 400	76.6	79.5	83.4	87.0	89.9	90.4	91.4	92.0	92.0	92.8	93.1	93.1	93.1	93.2	93.8	94.2
GE 300	76.7	79.6	83.7	87.3	90.6	91.5	92.7	93.3	93.4	94.5	95.4	95.4	95.6	95.8	96.3	96.9
GE 200	76.7	79.6	83.7	87.3	90.6	91.5	92.7	93.3	93.4	94.7	95.8	95.8	96.1	96.5	97.3	98.2
GE 100	76.7	79.6	83.7	87.3	90.8	91.6	92.8	93.4	93.5	94.9	96.0	96.0	96.3	96.7	97.7	99.8
GE 000	76.7	79.6	83.7	87.3	90.8	91.6	92.8	93.4	93.5	94.9	96.0	96.0	96.3	96.7	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.7	22.0	22.6	22.6	22.8	22.8	23.0	23.0	23.0	23.0	23.2	23.2	23.2	23.2	23.3	23.3
GE 20000	25.1	25.5	26.0	26.1	26.3	26.3	26.6	26.6	26.6	26.6	26.8	26.8	26.9	26.9	27.0	27.0
GE 18000	25.1	25.6	26.1	26.2	26.5	26.5	26.7	26.7	26.7	26.7	26.9	26.9	27.0	27.0	27.1	27.1
GE 16000	25.3	25.8	26.3	26.5	26.7	26.7	26.9	26.9	26.9	26.9	27.1	27.1	27.2	27.2	27.3	27.3
GE 14000	25.9	26.5	27.0	27.1	27.3	27.3	27.5	27.5	27.5	27.5	27.7	27.7	27.8	27.8	28.0	28.0
GE 12000	28.0	28.5	29.0	29.1	29.4	29.4	29.6	29.6	29.6	29.6	29.8	29.8	29.9	29.9	30.0	30.0
GE 10000	30.3	30.9	31.4	31.7	31.9	31.9	32.2	32.2	32.2	32.2	32.4	32.4	32.5	32.5	32.6	32.6
GE 9000	31.8	32.5	33.0	33.3	33.5	33.5	33.8	33.8	33.8	33.8	34.0	34.0	34.1	34.1	34.2	34.2
GE 8000	33.3	34.0	34.5	34.8	35.1	35.1	35.3	35.3	35.3	35.3	35.5	35.5	35.6	35.6	35.7	35.7
GE 7000	35.7	36.3	36.9	37.2	37.4	37.4	37.6	37.6	37.6	37.6	37.8	37.8	38.0	38.0	38.1	38.1
GE 6000	38.6	39.2	39.9	40.2	40.4	40.4	40.6	40.6	40.6	40.6	40.9	40.9	41.0	41.0	41.1	41.1
GE 5000	43.2	44.0	44.6	44.9	45.3	45.3	45.5	45.5	45.5	45.5	45.7	45.7	45.8	45.8	45.9	45.9
GE 4500	47.0	47.7	48.4	48.7	49.0	49.0	49.2	49.2	49.2	49.2	49.5	49.5	49.6	49.6	49.7	49.7
GE 4000	53.5	54.3	55.2	55.5	55.9	55.9	56.1	56.1	56.1	56.1	56.3	56.3	56.5	56.5	56.6	56.6
GE 3500	56.2	57.1	58.2	58.7	59.2	59.2	59.5	59.5	59.5	59.5	59.7	59.7	59.8	59.8	59.9	59.9
GE 3000	60.0	61.2	62.6	63.4	64.0	64.0	64.2	64.2	64.2	64.2	64.4	64.4	64.5	64.5	64.6	64.6
GE 2500	62.6	64.0	65.5	66.6	67.2	67.2	67.6	67.6	67.6	67.6	67.8	67.8	68.0	68.0	68.1	68.1
GE 2000	65.3	66.7	68.9	70.2	70.9	70.9	71.3	71.3	71.3	71.3	71.5	71.5	71.6	71.6	71.7	71.7
GE 1800	66.1	67.5	70.1	71.4	72.0	72.0	72.5	72.6	72.6	72.6	72.8	72.8	72.9	72.9	73.0	73.0
GE 1500	67.8	69.6	72.8	74.3	75.2	75.3	75.9	76.0	76.0	76.2	76.6	76.6	76.7	76.7	76.8	76.8
GE 1200	70.5	72.6	76.5	78.2	79.1	79.2	79.9	80.1	80.1	80.3	80.6	80.6	80.8	80.8	80.9	80.9
GE 1000	71.3	73.4	77.8	79.9	81.0	81.1	81.7	82.0	82.0	82.3	82.6	82.6	82.7	82.7	82.8	82.8
GE 900	71.5	73.8	78.7	81.1	82.4	82.5	83.1	83.4	83.4	83.7	84.0	84.0	84.1	84.1	84.2	84.2
GE 800	71.6	73.9	78.8	81.5	83.1	83.2	83.9	84.2	84.2	84.4	84.7	84.7	84.8	84.8	84.9	84.9
GE 700	72.4	74.6	79.8	82.8	84.5	84.6	85.3	85.8	85.8	86.0	86.3	86.3	86.6	86.6	86.7	86.7
GE 600	73.1	75.4	80.6	83.9	85.6	85.8	86.5	87.0	87.0	87.2	87.5	87.5	87.7	87.7	87.8	87.8
GE 500	73.2	75.9	81.4	84.8	87.2	87.4	88.4	89.0	89.1	89.5	89.8	89.8	90.0	90.0	90.1	90.1
GE 400	73.7	76.6	82.2	85.6	88.2	88.4	89.7	90.3	90.4	90.9	91.4	91.4	91.7	91.7	91.8	91.8
GE 300	73.8	76.7	82.3	85.9	88.8	89.2	90.8	91.8	92.0	92.9	93.9	93.9	94.3	94.4	95.2	95.2
GE 200	73.8	76.7	82.3	85.9	88.8	89.2	90.9	92.0	92.5	93.3	94.5	94.5	95.5	95.6	96.6	97.0
GE 100	73.8	76.7	82.3	85.9	88.9	89.4	91.1	92.3	92.7	93.5	94.7	94.7	96.1	96.2	98.3	99.9
GE 000	73.8	76.7	82.3	85.9	88.9	89.4	91.1	92.3	92.7	93.5	94.7	94.7	96.1	96.2	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	21.0	21.3	21.7	22.2	22.6	22.6	22.8	23.0	23.0	23.2	23.3	23.3	23.4	23.4	23.7	24.0
GE 20000	24.2	24.5	25.1	25.5	25.9	26.3	26.6	26.8	26.8	27.0	27.1	27.1	27.3	27.3	27.5	27.8
GE 18000	24.9	25.4	25.9	26.3	26.8	27.2	27.4	27.6	27.6	27.8	28.0	28.0	28.2	28.2	28.4	28.7
GE 16000	25.3	25.7	26.2	26.7	27.1	27.5	27.7	28.0	28.0	28.2	28.3	28.3	28.5	28.5	28.7	29.0
GE 14000	27.2	27.6	28.2	28.6	29.0	29.5	29.7	29.9	29.9	30.1	30.2	30.2	30.4	30.4	30.6	31.0
GE 12000	29.0	29.5	30.0	30.4	30.9	31.3	31.6	31.8	31.8	32.0	32.2	32.2	32.4	32.4	32.6	32.9
GE 10000	30.5	31.1	31.6	32.0	32.5	32.9	33.2	33.4	33.4	33.7	33.8	33.8	34.0	34.0	34.2	34.5
GE 9000	31.9	32.6	33.1	33.5	34.0	34.4	34.7	34.9	34.9	35.2	35.3	35.3	35.5	35.5	35.7	36.0
GE 8000	33.3	34.0	34.6	35.1	35.5	35.9	36.3	36.6	36.6	36.8	36.9	36.9	37.1	37.1	37.3	37.6
GE 7000	35.8	36.5	37.2	37.6	38.1	38.5	38.9	39.1	39.1	39.5	39.6	39.6	39.8	39.9	40.1	40.4
GE 6000	37.7	38.5	39.2	39.8	40.3	40.8	41.2	41.4	41.4	41.7	41.9	41.8	42.0	42.2	42.4	42.7
GE 5000	42.6	43.3	44.3	44.9	45.6	46.0	46.5	46.8	46.8	47.1	47.2	47.2	47.4	47.5	47.7	48.1
GE 4500	44.4	45.2	46.1	46.8	47.4	47.8	48.3	48.6	48.6	49.0	49.1	49.1	49.4	49.5	49.7	50.0
GE 4000	51.8	52.7	53.9	54.6	55.3	56.0	56.5	56.8	56.8	57.2	57.3	57.3	57.5	57.6	57.8	58.2
GE 3500	54.8	55.7	57.0	57.7	58.4	59.1	59.6	59.9	59.9	60.3	60.4	60.4	60.6	60.8	61.0	61.4
GE 3000	58.1	59.2	60.6	61.5	62.3	63.0	63.4	63.8	63.8	64.2	64.3	64.3	64.5	64.6	64.8	65.3
GE 2500	60.4	61.8	63.4	64.7	65.8	66.6	67.0	67.3	67.3	67.7	67.8	67.8	68.1	68.2	68.4	68.8
GE 2000	63.1	64.7	66.9	68.2	69.4	70.1	70.8	71.2	71.2	71.6	71.7	71.7	71.9	72.0	72.3	72.7
GE 1800	64.3	65.9	68.4	69.8	71.0	71.7	72.4	72.8	72.8	73.2	73.3	73.3	73.5	73.7	73.9	74.3
GE 1500	66.8	68.7	71.4	73.1	74.6	75.4	76.1	76.7	76.7	77.1	77.2	77.2	77.4	77.5	77.7	78.2
GE 1200	69.5	71.7	74.8	76.6	78.2	78.9	79.8	80.4	80.4	80.9	81.0	81.0	81.2	81.3	81.5	81.9
GE 1000	71.1	73.4	76.8	78.6	80.5	81.6	82.5	83.2	83.2	83.7	84.0	84.0	84.2	84.3	84.5	84.9
GE 900	71.9	74.3	77.8	79.8	81.9	83.0	83.9	84.9	85.2	85.6	85.9	85.9	86.1	86.2	86.5	86.9
GE 800	72.3	74.6	78.4	80.8	83.0	84.1	85.3	86.5	86.7	87.2	87.6	87.6	87.8	88.0	88.2	88.6
GE 700	72.6	74.9	78.7	81.3	83.7	84.9	86.1	87.4	87.6	88.5	88.9	88.9	89.1	89.2	89.5	90.1
GE 600	73.0	75.4	79.1	81.8	84.2	85.7	87.0	88.7	89.0	90.0	90.4	90.4	90.6	90.8	91.0	91.6
GE 500	73.1	75.5	79.2	82.2	84.7	86.2	88.0	89.9	90.2	91.4	91.9	91.9	92.2	92.3	92.5	93.1
GE 400	73.1	75.5	79.2	82.2	84.9	86.6	89.1	91.4	91.9	93.2	94.0	94.0	94.4	94.5	94.8	95.5
GE 300	73.1	75.5	79.2	82.2	84.9	86.7	89.5	92.4	93.0	94.4	95.5	95.5	96.2	96.3	96.9	97.6
GE 200	73.1	75.5	79.2	82.2	84.9	86.7	89.5	92.6	93.2	94.7	96.0	96.0	96.8	97.0	97.6	98.8
GE 100	73.1	75.5	79.2	82.2	84.9	86.7	89.5	92.8	93.5	95.1	96.5	96.5	97.3	97.5	98.3	100.0
GE 000	73.1	75.5	79.2	82.2	84.9	86.7	89.5	92.8	93.5	95.1	96.5	96.5	97.3	97.5	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	24.9	25.6	26.3	26.7	26.8	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
GE 20000	29.6	30.3	31.1	31.5	31.8	32.2	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
GE 18000	29.8	30.5	31.3	31.7	32.0	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 16000	30.0	30.8	31.5	31.9	32.3	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 14000	31.8	32.6	33.3	33.8	34.1	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 12000	34.4	35.2	35.9	36.3	36.7	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GE 10000	37.1	37.8	38.6	39.0	39.4	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
GE 9000	38.0	38.7	39.5	39.9	40.2	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 8000	39.8	40.6	41.4	41.8	42.2	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 7000	41.7	42.7	43.5	44.0	44.3	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 6000	44.2	45.2	46.0	46.5	46.8	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 5000	49.1	50.1	51.2	51.7	52.0	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 4500	51.3	52.3	53.3	53.9	54.2	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 4000	58.1	59.5	60.5	61.2	61.5	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 3500	61.5	63.0	64.1	64.8	65.2	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 3000	66.6	68.2	69.4	70.2	70.8	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 2500	69.0	70.9	72.4	73.4	74.1	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 2000	71.4	73.4	74.9	76.0	76.9	77.8	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 1800	73.1	75.3	76.8	77.8	78.8	79.8	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 1500	76.8	79.0	80.5	81.7	83.0	84.1	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 1200	79.2	81.6	83.3	84.8	86.2	87.6	88.0	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1000	79.8	82.6	84.5	86.2	87.6	89.2	89.7	90.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 900	80.4	83.4	85.5	87.6	89.1	90.8	91.5	91.8	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 800	80.5	83.5	85.7	88.1	89.7	91.5	92.4	92.9	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 700	80.6	84.0	86.2	88.6	90.4	92.5	93.3	94.0	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 600	80.9	84.2	86.8	89.1	91.0	93.0	94.1	94.7	95.5	95.8	95.8	95.8	95.9	95.9	96.0	96.0
GE 500	80.9	84.2	86.8	89.5	91.6	93.9	95.2	96.0	96.8	97.5	97.5	97.5	97.6	97.6	97.7	97.7
GE 400	80.9	84.2	86.8	89.5	91.8	94.1	95.6	96.6	97.3	98.2	98.2	98.2	98.3	98.3	98.4	98.4
GE 300	80.9	84.2	86.8	89.5	91.9	94.3	95.8	96.9	97.6	98.7	98.9	98.9	99.2	99.2	99.4	99.4
GE 200	80.9	84.2	86.8	89.5	91.9	94.3	95.8	96.9	97.6	98.7	98.9	98.9	99.4	99.5	99.6	99.7
GE 100	80.9	84.2	86.8	89.5	91.9	94.3	95.8	96.9	97.6	98.7	98.9	98.9	99.4	99.5	99.7	100.0
GE 000	80.9	84.2	86.8	89.5	91.9	94.3	95.8	96.9	97.6	98.7	98.9	98.9	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.4	27.8	28.4	28.4	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.8	28.8
GE 20000	33.6	34.1	34.8	34.8	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.3	35.3
GE 18000	33.8	34.3	35.0	35.0	35.3	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.6	35.6
GE 16000	33.9	34.4	35.1	35.1	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.7	35.7
GE 14000	35.3	35.8	36.5	36.5	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.1	37.1
GE 12000	37.5	37.9	38.7	38.7	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.3	39.3
GE 10000	40.6	41.1	41.8	41.9	42.3	42.3	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8	42.8
GE 9000	41.8	42.2	43.0	43.1	43.5	43.5	43.6	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.1	44.1
GE 8000	43.1	43.5	44.3	44.4	44.8	44.8	44.9	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.4
GE 7000	44.3	44.7	45.5	45.6	46.0	46.0	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.6	46.6
GE 6000	46.9	47.3	48.2	48.4	48.8	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.4	49.4
GE 5000	50.1	50.5	51.4	51.6	52.0	52.0	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6
GE 4500	52.8	53.3	54.3	54.5	55.0	55.0	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6
GE 4000	59.1	60.2	61.4	62.0	62.4	62.4	62.5	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1
GE 3500	63.6	64.9	66.2	67.0	67.5	67.5	67.6	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3
GE 3000	69.3	70.8	72.4	73.3	73.8	73.8	74.0	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
GE 2500	71.9	73.8	75.8	76.7	77.6	77.6	77.9	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.8	78.8
GE 2000	74.9	76.8	79.1	80.5	81.5	81.5	81.9	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.1	83.1
GE 1800	76.3	78.3	80.6	82.0	83.0	83.0	83.4	84.2	84.3	84.5	84.5	84.5	84.5	84.5	84.6	84.6
GE 1500	78.3	80.6	83.4	84.9	85.9	86.0	86.5	87.3	87.4	87.6	87.6	87.6	87.6	87.6	87.7	87.7
GE 1200	79.7	82.2	85.2	86.9	87.8	88.0	88.7	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.9	89.9
GE 1000	80.4	82.9	86.2	87.9	89.2	89.5	90.3	91.1	91.2	91.4	91.4	91.4	91.4	91.4	91.5	91.5
GE 900	80.8	83.6	87.4	89.1	91.1	91.4	92.5	93.2	93.3	93.5	93.5	93.5	93.5	93.5	93.6	93.6
GE 800	81.0	83.9	87.9	90.0	92.2	92.6	93.8	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.2	95.2
GE 700	81.0	83.9	87.9	90.0	92.2	92.6	93.9	94.9	95.0	95.3	95.3	95.3	95.3	95.3	95.4	95.4
GE 600	81.0	83.9	87.9	90.0	92.3	92.7	94.0	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.6	95.6
GE 500	81.0	83.9	88.0	90.2	93.0	93.5	95.0	96.3	96.6	97.2	97.3	97.3	97.3	97.3	97.4	97.4
GE 400	81.0	83.9	88.0	90.2	93.1	93.6	95.3	96.7	96.9	97.6	97.7	97.7	97.7	97.7	97.8	97.8
GE 300	81.0	83.9	88.0	90.2	93.1	93.6	95.3	96.8	97.0	98.3	98.4	98.4	98.5	98.5	98.7	98.8
GE 200	81.0	83.9	88.0	90.2	93.1	93.6	95.3	96.8	97.0	98.3	98.5	98.5	98.8	98.8	99.2	99.4
GE 100	81.0	83.9	88.0	90.2	93.1	93.6	95.3	96.8	97.0	98.3	98.5	98.5	98.8	98.8	99.2	100.0
GE 000	81.0	83.9	88.0	90.2	93.1	93.6	95.3	96.8	97.0	98.3	98.5	98.5	98.8	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	29.2	29.3	29.8	30.2	30.3	30.3	30.5	30.5	30.5	30.6	30.6	30.6	30.7	30.7	30.7	31.0
GE 20000	33.5	33.7	34.2	34.7	35.0	35.0	35.2	35.2	35.2	35.3	35.3	35.3	35.4	35.4	35.4	35.6
GE 18000	33.7	33.8	34.3	35.0	35.2	35.2	35.4	35.4	35.4	35.5	35.5	35.5	35.6	35.6	35.6	35.8
GE 16000	33.7	33.8	34.3	35.0	35.2	35.2	35.4	35.4	35.4	35.5	35.5	35.5	35.6	35.6	35.6	35.8
GE 14000	35.2	35.3	35.8	36.5	36.8	36.8	37.0	37.0	37.0	37.1	37.1	37.1	37.2	37.2	37.2	37.4
GE 12000	37.3	37.4	38.0	38.6	39.1	39.1	39.3	39.3	39.3	39.4	39.4	39.4	39.5	39.5	39.5	39.7
GE 10000	39.7	39.8	40.3	41.1	41.5	41.5	41.7	41.7	41.7	41.9	41.9	41.9	42.0	42.0	42.0	42.2
GE 9000	41.1	41.2	41.7	42.5	43.3	43.3	43.5	43.5	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.9
GE 8000	41.6	41.7	42.3	43.0	43.8	43.8	44.0	44.0	44.0	44.1	44.1	44.1	44.2	44.2	44.2	44.4
GE 7000	43.6	43.7	44.2	45.0	45.7	45.7	46.0	46.0	46.0	46.1	46.1	46.1	46.2	46.2	46.2	46.4
GE 6000	45.8	46.0	46.5	47.2	48.0	48.0	48.2	48.2	48.2	48.3	48.3	48.3	48.4	48.4	48.4	48.7
GE 5000	49.0	49.2	49.7	50.5	51.2	51.2	51.5	51.5	51.5	51.6	51.6	51.6	51.7	51.7	51.7	51.9
GE 4500	52.0	52.2	52.8	53.5	54.3	54.3	54.5	54.5	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.9
GE 4000	59.1	59.5	60.4	61.3	62.0	62.0	62.4	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.8
GE 3500	64.1	64.6	65.8	66.9	67.6	67.6	68.1	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.5
GE 3000	69.3	70.3	71.7	72.8	73.6	73.6	74.0	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.4
GE 2500	72.0	73.4	74.9	76.1	77.0	77.0	77.5	77.5	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.9
GE 2000	75.5	77.2	78.7	80.0	81.1	81.1	81.6	81.6	81.6	81.7	81.7	81.7	81.8	81.8	81.8	82.0
GE 1800	75.8	77.6	79.1	80.5	81.8	81.8	82.2	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.6
GE 1500	78.7	80.5	82.3	84.1	85.7	85.7	86.1	86.1	86.1	86.2	86.2	86.2	86.3	86.3	86.3	86.5
GE 1200	80.4	82.6	84.8	86.8	88.6	88.6	89.3	89.3	89.3	89.4	89.4	89.4	89.5	89.5	89.5	89.8
GE 1000	81.3	83.7	85.9	88.1	89.9	89.9	90.6	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8	91.0
GE 900	81.9	84.3	86.6	88.9	90.7	90.7	91.5	91.5	91.5	91.6	91.6	91.6	91.7	91.7	91.7	91.9
GE 800	82.1	84.6	87.4	89.8	91.9	91.9	92.7	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9	93.1
GE 700	82.1	84.7	87.6	90.2	92.3	92.3	93.6	93.7	93.7	93.9	93.9	93.9	94.1	94.1	94.1	94.3
GE 600	82.1	84.7	87.7	90.3	92.4	92.4	93.7	93.9	93.9	94.0	94.0	94.0	94.2	94.2	94.2	94.4
GE 500	82.7	85.5	88.9	91.5	93.6	93.6	95.1	95.3	95.6	95.7	95.7	95.7	95.9	95.9	95.9	96.1
GE 400	82.7	85.5	89.0	91.6	93.7	93.7	95.5	95.7	96.0	96.1	96.2	96.2	96.4	96.4	96.4	96.8
GE 300	82.8	85.7	89.1	91.7	94.2	94.2	96.0	96.2	96.5	96.9	97.0	97.0	97.4	97.4	97.5	97.8
GE 200	82.8	85.7	89.1	91.7	94.2	94.2	96.0	96.2	96.5	96.9	97.1	97.1	98.1	98.1	98.5	98.8
GE 100	82.8	85.7	89.1	91.7	94.3	94.3	96.1	96.3	96.7	97.1	97.3	97.3	98.3	98.3	98.8	99.8
GE 000	82.8	85.7	89.1	91.7	94.3	94.3	96.1	96.3	96.7	97.1	97.3	97.3	98.3	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	27.8	28.4	28.5	28.7	29.0	29.1	29.2	29.2	29.2	29.3	29.4	29.4	29.6	29.6	29.6	29.7
GE 20000	31.5	32.0	32.1	32.4	32.7	32.8	32.9	32.9	32.9	33.0	33.1	33.1	33.2	33.2	33.2	33.3
GE 18000	31.8	32.4	32.5	32.7	33.0	33.1	33.3	33.3	33.3	33.4	33.5	33.5	33.7	33.7	33.7	33.9
GE 16000	31.8	32.4	32.5	32.7	33.0	33.1	33.4	33.4	33.4	33.5	33.7	33.7	33.8	33.8	33.8	33.9
GE 14000	32.8	33.3	33.4	33.7	34.1	34.2	34.5	34.5	34.5	34.6	34.7	34.7	34.8	34.8	34.8	35.0
GE 12000	34.5	35.1	35.2	35.4	35.8	35.9	36.2	36.2	36.2	36.4	36.5	36.5	36.6	36.6	36.6	36.7
GE 10000	37.4	38.0	38.2	38.5	39.1	39.2	39.5	39.5	39.5	39.6	39.7	39.7	39.8	39.8	39.8	39.9
GE 9000	38.5	39.1	39.3	39.6	40.1	40.2	40.6	40.6	40.6	40.7	40.8	40.8	40.9	40.9	40.9	41.0
GE 8000	39.8	40.3	40.6	40.9	41.4	41.5	41.9	41.9	41.9	42.0	42.2	42.2	42.3	42.3	42.3	42.4
GE 7000	41.5	42.1	42.3	42.6	43.1	43.3	43.6	43.6	43.6	43.7	43.9	43.9	44.0	44.0	44.0	44.1
GE 6000	43.5	44.0	44.2	44.6	45.1	45.2	45.5	45.5	45.5	45.6	45.8	45.8	46.0	46.0	46.0	46.1
GE 5000	47.2	47.9	48.1	48.5	49.1	49.2	49.5	49.5	49.5	49.6	49.8	49.8	49.9	49.9	49.9	50.1
GE 4500	51.0	51.8	52.0	52.4	53.1	53.2	53.5	53.5	53.5	53.6	53.8	53.8	53.9	53.9	53.9	54.0
GE 4000	58.4	59.4	60.0	60.5	61.3	61.4	61.7	61.7	61.7	61.8	62.0	62.0	62.1	62.1	62.1	62.2
GE 3500	62.8	64.4	64.9	65.5	66.3	66.5	66.8	66.8	66.8	66.9	67.1	67.1	67.2	67.2	67.2	67.3
GE 3000	68.8	70.9	71.4	72.0	72.8	72.9	73.2	73.2	73.2	73.4	73.6	73.6	73.7	73.7	73.7	73.8
GE 2500	71.3	73.6	74.2	74.8	75.6	75.7	76.1	76.1	76.1	76.2	76.4	76.4	76.5	76.5	76.5	76.6
GE 2000	73.2	75.7	76.4	77.0	78.4	78.5	78.9	78.9	78.9	79.0	79.2	79.2	79.3	79.3	79.3	79.4
GE 1800	74.8	77.2	77.9	78.5	79.9	80.0	80.4	80.4	80.4	80.5	80.7	80.7	80.8	80.8	80.8	80.9
GE 1500	77.8	80.7	81.9	82.6	84.1	84.3	84.6	84.6	84.6	84.7	84.9	84.9	85.0	85.0	85.0	85.1
GE 1200	78.7	81.8	83.3	84.3	86.0	86.1	86.5	86.5	86.5	86.6	86.8	86.8	86.9	86.9	86.9	87.2
GE 1000	79.5	82.6	84.5	85.5	87.3	87.4	87.8	87.8	87.8	87.9	88.1	88.1	88.2	88.2	88.2	88.5
GE 900	80.6	84.0	86.3	87.4	89.2	89.3	89.8	89.8	90.0	90.1	90.3	90.3	90.4	90.4	90.4	90.6
GE 800	80.8	84.5	86.8	88.0	90.4	90.5	90.9	91.0	91.3	91.4	91.6	91.6	91.7	91.7	91.7	91.9
GE 700	80.8	84.5	86.9	88.2	90.8	90.9	91.5	91.6	91.8	91.9	92.1	92.1	92.4	92.4	92.4	92.7
GE 600	81.1	84.8	87.5	88.8	91.4	91.5	92.1	92.2	92.4	92.6	92.8	92.8	93.1	93.1	93.1	93.3
GE 500	81.6	85.3	88.0	89.3	92.2	92.3	93.2	93.3	93.6	93.9	94.1	94.1	94.4	94.4	94.4	94.6
GE 400	81.6	85.3	88.0	89.3	92.2	92.4	93.5	93.6	94.0	94.3	94.5	94.5	94.8	94.8	94.8	95.0
GE 300	81.6	85.3	88.0	89.3	92.3	92.8	94.2	94.8	95.1	95.8	96.1	96.1	96.7	97.0	97.0	97.2
GE 200	81.6	85.3	88.0	89.3	92.4	92.9	94.4	95.1	95.5	96.1	96.4	96.4	97.0	97.3	97.6	97.8
GE 100	81.6	85.3	88.0	89.3	92.4	92.9	94.4	95.1	95.5	96.2	96.5	96.5	97.2	97.5	98.0	99.7
GE 000	81.6	85.3	88.0	89.3	92.4	92.9	94.4	95.1	95.5	96.2	96.5	96.5	97.3	97.6	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	25.3	25.6	26.0	26.3	26.6	26.6	26.8	26.8	26.8	27.0	27.0	27.0	27.1	27.1	27.2	27.3
GE 20000	29.1	29.5	29.9	30.2	30.6	30.7	30.9	30.9	30.9	31.0	31.1	31.1	31.2	31.2	31.4	31.5
GE 18000	29.4	29.8	30.2	30.5	30.9	31.0	31.2	31.3	31.3	31.4	31.5	31.5	31.6	31.6	31.7	31.8
GE 16000	29.5	29.9	30.4	30.7	31.0	31.1	31.3	31.4	31.4	31.5	31.6	31.6	31.7	31.7	31.8	31.9
GE 14000	30.7	31.1	31.6	31.9	32.3	32.4	32.6	32.7	32.7	32.8	32.9	32.9	33.0	33.0	33.1	33.2
GE 12000	32.7	33.1	33.6	33.9	34.3	34.4	34.6	34.7	34.7	34.8	34.9	34.9	35.0	35.0	35.1	35.2
GE 10000	35.3	35.7	36.2	36.6	37.0	37.2	37.4	37.5	37.5	37.6	37.7	37.7	37.7	37.7	37.9	38.0
GE 9000	36.5	36.9	37.4	37.8	38.3	38.4	38.6	38.7	38.7	38.8	39.0	39.0	39.0	39.0	39.2	39.3
GE 8000	37.9	38.4	38.9	39.3	39.8	39.9	40.1	40.2	40.2	40.3	40.4	40.4	40.5	40.5	40.7	40.8
GE 7000	39.9	40.4	40.9	41.3	41.8	41.9	42.1	42.2	42.2	42.3	42.5	42.5	42.5	42.6	42.7	42.8
GE 6000	42.5	43.0	43.6	44.0	44.5	44.6	44.8	44.9	44.9	45.0	45.2	45.2	45.2	45.3	45.4	45.5
GE 5000	46.8	47.4	48.0	48.5	49.0	49.2	49.4	49.5	49.5	49.7	49.8	49.8	49.9	49.9	50.0	50.1
GE 4500	49.8	50.5	51.1	51.6	52.2	52.3	52.5	52.6	52.7	52.8	52.9	52.9	53.0	53.0	53.1	53.3
GE 4000	57.0	57.9	58.7	59.3	59.9	60.1	60.4	60.5	60.5	60.7	60.8	60.8	60.9	60.9	61.0	61.2
GE 3500	60.8	61.8	62.7	63.4	64.1	64.3	64.6	64.7	64.8	64.9	65.0	65.0	65.1	65.1	65.3	65.4
GE 3000	65.6	67.0	68.1	68.9	69.7	69.9	70.2	70.4	70.4	70.5	70.6	70.6	70.7	70.7	70.9	71.0
GE 2500	68.1	69.7	71.0	72.0	72.9	73.2	73.5	73.7	73.7	73.8	74.0	74.0	74.0	74.1	74.2	74.4
GE 2000	70.6	72.4	74.0	75.2	76.2	76.5	76.9	77.1	77.1	77.3	77.4	77.4	77.5	77.5	77.7	77.8
GE 1800	71.8	73.7	75.4	76.6	77.7	78.0	78.4	78.7	78.7	78.8	79.0	79.0	79.1	79.1	79.2	79.4
GE 1500	74.2	76.3	78.4	79.8	81.0	81.4	81.9	82.1	82.2	82.4	82.5	82.5	82.6	82.6	82.7	82.9
GE 1200	76.3	78.6	81.0	82.6	84.0	84.4	85.0	85.3	85.4	85.6	85.7	85.7	85.7	85.8	85.9	86.1
GE 1000	77.2	79.7	82.3	84.0	85.5	86.0	86.6	87.0	87.1	87.3	87.5	87.5	87.6	87.6	87.7	87.9
GE 900	77.8	80.4	83.3	85.3	87.0	87.4	88.1	88.5	88.7	88.9	89.1	89.1	89.2	89.2	89.4	89.5
GE 800	78.0	80.6	83.7	85.8	87.8	88.3	89.1	89.5	89.7	90.0	90.2	90.2	90.2	90.2	90.4	90.6
GE 700	78.3	81.0	84.2	86.5	88.7	89.2	90.1	90.7	90.9	91.2	91.4	91.4	91.5	91.5	91.7	91.9
GE 600	78.5	81.3	84.6	87.0	89.2	89.9	90.8	91.5	91.7	92.0	92.2	92.2	92.4	92.4	92.6	92.8
GE 500	78.7	81.6	85.0	87.6	90.1	90.8	92.0	92.8	93.1	93.6	93.8	93.8	94.0	94.0	94.2	94.4
GE 400	78.8	81.7	85.3	87.9	90.6	91.3	92.7	93.7	94.0	94.6	94.9	94.9	95.1	95.1	95.3	95.6
GE 300	78.8	81.7	85.3	88.0	91.0	91.8	93.4	94.6	95.0	95.5	96.4	96.4	96.9	96.9	97.3	97.6
GE 200	78.8	81.7	85.3	88.0	91.0	91.8	93.5	94.7	95.1	95.5	96.7	96.7	97.3	97.5	98.1	98.5
GE 100	78.8	81.7	85.3	88.0	91.0	91.8	93.5	94.8	95.2	95.6	96.9	96.9	97.6	97.7	98.5	99.9
GE 000	78.8	81.7	85.3	88.0	91.0	91.8	93.5	94.8	95.2	96.2	96.9	96.9	97.6	97.7	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7432

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.9	38.1	38.3	38.5	38.6	38.7	38.7	38.8	38.8	38.8	38.9	38.9	38.9	39.0	39.1	39.2
GE 20000	42.4	42.6	42.9	43.1	43.3	43.3	43.4	43.4	43.5	43.5	43.6	43.6	43.6	43.7	43.8	44.0
GE 18000	42.6	42.8	43.0	43.3	43.5	43.5	43.6	43.6	43.6	43.7	43.8	43.8	43.8	43.8	44.0	44.2
GE 16000	42.7	43.0	43.2	43.4	43.6	43.7	43.7	43.8	43.8	43.9	43.9	43.9	44.0	44.0	44.1	44.3
GE 14000	43.8	44.1	44.3	44.6	44.8	44.8	44.9	45.0	45.0	45.0	45.1	45.1	45.2	45.2	45.3	45.5
GE 12000	45.8	46.1	46.3	46.5	46.8	46.8	46.9	46.9	46.9	47.0	47.1	47.1	47.1	47.1	47.3	47.5
GE 10000	48.0	48.3	48.6	48.8	49.1	49.1	49.2	49.3	49.3	49.3	49.4	49.4	49.5	49.5	49.6	49.8
GE 9000	49.3	49.6	49.8	50.1	50.3	50.4	50.5	50.5	50.5	50.6	50.6	50.6	50.7	50.7	50.9	51.1
GE 8000	50.7	51.0	51.3	51.6	51.8	51.9	51.9	52.0	52.0	52.1	52.1	52.1	52.2	52.2	52.4	52.5
GE 7000	53.3	53.6	53.9	54.2	54.4	54.5	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	55.0	55.2
GE 6000	57.3	57.6	57.9	58.2	58.5	58.5	58.6	58.7	58.7	58.7	58.8	58.8	58.9	58.9	59.0	59.2
GE 5000	62.5	62.9	63.2	63.5	63.8	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.2	64.2	64.4	64.6
GE 4500	66.3	66.7	67.1	67.4	67.7	67.7	67.8	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.3	68.5
GE 4000	73.1	73.6	74.0	74.4	74.7	74.8	74.9	74.9	74.9	75.0	75.1	75.1	75.2	75.2	75.4	75.5
GE 3500	76.5	77.1	77.6	78.0	78.3	78.4	78.5	78.5	78.5	78.6	78.7	78.7	78.8	78.8	79.0	79.1
GE 3000	81.4	82.1	82.6	83.1	83.5	83.6	83.7	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.2	84.4
GE 2500	83.7	84.5	85.2	85.7	86.1	86.2	86.4	86.4	86.5	86.5	86.6	86.6	86.7	86.7	86.9	87.1
GE 2000	85.9	86.8	87.6	88.2	88.7	88.8	89.0	89.1	89.1	89.2	89.2	89.2	89.3	89.3	89.5	89.7
GE 1800	86.7	87.7	88.6	89.3	89.8	89.9	90.1	90.2	90.2	90.3	90.4	90.4	90.4	90.5	90.6	90.8
GE 1500	88.3	89.5	90.5	91.3	91.9	92.0	92.3	92.4	92.4	92.5	92.6	92.6	92.7	92.7	92.8	93.0
GE 1200	89.6	91.0	92.1	93.0	93.7	93.9	94.2	94.3	94.3	94.4	94.5	94.5	94.6	94.6	94.8	95.0
GE 1000	90.1	91.5	92.8	93.8	94.5	94.7	95.0	95.2	95.2	95.3	95.4	95.4	95.5	95.5	95.7	95.9
GE 900	90.3	91.8	93.1	94.2	95.0	95.2	95.5	95.7	95.7	95.8	95.9	95.9	96.0	96.0	96.2	96.4
GE 800	90.4	91.9	93.3	94.4	95.2	95.5	95.8	96.0	96.0	96.2	96.2	96.2	96.3	96.3	96.5	96.7
GE 700	90.5	92.0	93.5	94.6	95.5	95.8	96.1	96.3	96.4	96.5	96.6	96.6	96.7	96.7	96.9	97.1
GE 600	90.5	92.1	93.6	94.7	95.7	96.0	96.4	96.6	96.7	96.8	96.9	96.9	97.0	97.0	97.2	97.4
GE 500	90.6	92.2	93.7	94.9	96.0	96.3	96.7	97.0	97.1	97.3	97.4	97.4	97.5	97.5	97.7	97.9
GE 400	90.6	92.2	93.7	95.0	96.1	96.4	97.0	97.3	97.4	97.6	97.7	97.7	97.9	97.9	98.1	98.3
GE 300	90.6	92.2	93.7	95.0	96.2	96.5	97.1	97.5	97.6	97.9	98.1	98.1	98.3	98.4	98.7	98.9
GE 200	90.6	92.2	93.7	95.0	96.2	96.5	97.1	97.6	97.7	98.1	98.3	98.3	98.6	98.6	99.0	99.4
GE 100	90.6	92.2	93.7	95.0	96.2	96.5	97.1	97.6	97.7	98.1	98.3	98.3	98.6	98.7	99.1	99.9
GE 000	90.6	92.2	93.7	95.0	96.2	96.5	97.1	97.6	97.7	98.1	98.3	98.3	98.6	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 87640

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN HOURS:ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	14.7	9.1	14.4	56.8	4.6	75.8	3.4	930
03-05	13.8	9.2	12.4	58.6	6.0	77.0	5.8	930
06-08	9.2	9.7	15.3	58.7	7.1	81.1	6.2	930
09-11	7.3	8.9	19.7	60.1	4.0	83.8	6.1	930
12-14	5.9	10.8	18.7	63.2	1.4	83.3	3.2	930
15-17	5.5	11.0	20.5	61.8	1.2	83.5	2.2	930
18-20	12.5	9.5	16.0	60.8	1.3	78.1	.8	930
21-23	16.5	11.0	12.5	57.6	2.5	72.6	3.2	930
ALL HOURS	10.7	9.9	16.2	59.7	3.5	79.4	3.9	7440

MONTH: FEB HOURS: ALL

00-02	16.2	11.7	13.2	55.1	3.8	72.1	2.5	846
03-05	14.5	8.3	14.1	57.1	6.0	77.2	5.3	846
06-08	11.2	8.4	16.1	57.1	7.2	80.4	7.7	846
09-11	7.9	10.3	19.1	58.0	4.6	81.8	5.7	846
12-14	6.4	10.6	21.5	60.2	1.3	83.0	2.4	846
15-17	7.7	13.1	21.7	57.4		79.2	.8	846
18-20	11.9	14.1	20.1	53.8	.1	74.0	.7	846
21-23	15.2	13.4	17.0	52.5	1.9	71.4	.8	846
ALL HOURS	11.4	11.2	17.9	56.4	3.1	77.4	3.2	6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	AIRWAY CLASSES		GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				OVERCAST	TOTAL OBSCURATION			
00-02	19.2	11.3	17.6	51.6	.2	69.5	1.2	930
03-05	17.1	7.6	16.2	57.8	1.2	75.3	2.4	930
06-08	6.0	12.2	20.0	58.8	3.0	81.8	5.7	930
09-11	5.6	13.2	24.3	55.4	1.5	81.2	2.7	930
12-14	7.1	14.4	29.4	48.8	.3	78.5	.3	930
15-17	6.5	15.2	26.8	51.6		78.4	.6	930
18-20	7.5	18.2	24.4	49.9		74.3	.4	930
21-23	16.7	18.2	19.1	45.9	.1	65.2	.5	930
ALL HOURS	10.7	13.8	22.2	52.5	.8	75.5	1.7	7440

MONTH: APR HOURS: ALL

00-02	19.9	15.9	19.8	44.4		64.2	.7	900
03-05	16.6	12.8	16.9	53.4	.3	70.7	1.4	900
06-08	8.0	11.0	22.2	56.9	1.9	81.0	3.4	900
09-11	8.2	11.0	26.4	54.0	.3	80.8	.9	900
12-14	8.0	15.7	25.6	50.8		76.3	.2	900
15-17	7.2	18.0	27.4	47.3		74.8	.3	900
18-20	8.1	20.7	25.4	45.8		71.2	.3	900
21-23	17.8	18.7	20.9	42.7		63.6		900
ALL HOURS	11.7	15.5	23.1	49.4	.3	72.8	.9	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	18.5	15.6	21.8	44.1		65.9		930
03-05	12.2	14.2	22.9	50.8		73.7	.2	930
06-08	7.3	13.2	24.0	55.3	.2	79.5	.3	930
09-11	8.4	14.7	27.6	49.2		76.9	.1	930
12-14	8.7	20.2	27.8	43.2		71.1	.2	930
15-17	8.4	23.2	29.2	39.1		68.4	.1	930
18-20	8.8	23.5	29.1	38.5		67.6	.1	930
21-23	17.5	22.7	25.5	34.2	.1	59.8	.2	930
ALL HOURS	11.2	18.4	26.0	44.3	.0	70.3	.2	7440

MONTH: JUN HOURS: ALL

00-02	30.3	12.6	17.2	39.8	.1	57.1		900
03-05	19.8	16.9	17.0	45.8	.6	63.3	.4	900
06-08	10.4	18.1	18.6	52.9		71.4	1.0	900
09-11	12.1	17.9	25.4	44.4	.1	70.0	.3	900
12-14	12.6	23.4	28.8	35.1	.1	64.0	.3	900
15-17	13.4	28.7	29.8	28.1		57.9	.3	900
18-20	15.0	28.1	27.7	29.2		56.9	.1	900
21-23	26.6	22.8	20.2	30.4		50.7	.2	900
ALL HOURS	17.5	21.1	23.1	38.2	.1	61.4	.3	7200

D - 3 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	42.2	13.9	15.9	28.1		44.0		930
03-05	33.3	13.5	16.9	36.0	.2	53.1	.8	930
06-08	21.6	16.5	18.1	43.7	.2	61.9	1.2	930
09-11	23.4	19.7	20.9	36.0		56.9		930
12-14	27.4	23.9	21.9	26.8		48.7		930
15-17	29.8	26.7	23.5	20.0		43.5	.1	930
18-20	35.4	25.2	21.3	18.2		39.5	.1	930
21-23	42.5	20.2	17.5	19.7	.1	37.3	.1	930
ALL HOURS	31.9	19.9	19.5	28.5	.1	48.1	.3	7440

MONTH: AUG HOURS: ALL

00-02	47.8	17.2	11.9	23.0		34.9		930
03-05	40.6	14.6	16.2	28.5		44.7	.1	930
06-08	22.2	20.6	19.1	37.7	.3	57.2	1.0	930
09-11	27.6	19.8	20.6	31.9		52.6	.3	930
12-14	33.0	21.6	22.6	22.8		45.4	.6	930
15-17	32.7	27.6	20.4	19.2		39.7	.9	930
18-20	31.9	29.5	19.2	19.2	.1	38.6	.9	930
21-23	46.7	20.2	13.5	19.6		33.1	.1	930
ALL HOURS	35.3	21.4	18.0	25.3	.1	43.3	.5	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	
00-02	45.1	13.8	15.3	25.8	900
03-05	35.6	14.4	16.6	32.3	900
06-08	21.0	17.2	21.3	38.8	900
09-11	23.4	21.6	23.8	30.9	900
12-14	30.3	23.2	22.0	24.4	900
15-17	31.0	25.6	21.8	21.7	900
18-20	34.0	25.4	18.4	22.1	900
21-23	46.3	15.7	17.0	21.0	900
ALL HOURS	33.3	19.6	19.5	27.1	7200

MONTH: OCT HOURS: ALL

00-02	27.2	16.5	13.8	39.7	2.9	56.3	5.5	930
03-05	19.2	13.7	15.5	42.9	8.7	67.1	7.7	930
06-08	8.8	9.4	18.7	50.9	12.3	81.8	9.5	930
09-11	9.1	14.1	20.1	51.4	5.3	76.8	6.9	930
12-14	14.0	19.9	24.9	41.1	.1	66.1	2.9	930
15-17	14.6	20.6	28.0	36.6	.2	64.7	3.3	930
18-20	18.8	22.4	20.6	38.2		58.8	2.2	930
21-23	29.1	16.9	18.1	35.7	.2	54.0	2.8	930
ALL HOURS	17.6	16.7	20.0	42.0	3.7	65.7	5.1	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV HOURS: ALL

HOURS (LST)	AIRWAY CLASSES				TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST				
00-02	11.0	7.1	16.0	62.2	3.7	81.9	3.2	900
03-05	8.1	8.8	14.9	63.7	4.6	83.1	4.9	900
06-08	6.0	10.0	19.3	60.1	4.6	84.0	5.4	900
09-11	4.7	7.9	26.0	58.4	3.0	87.4	4.0	900
12-14	5.7	11.4	25.2	57.6	.1	82.9	1.7	900
15-17	6.3	15.0	25.0	53.6	.1	78.7	1.1	900
18-20	10.8	13.1	21.2	54.9		76.1	1.7	900
21-23	13.8	7.6	17.6	60.0	1.1	78.7	2.3	900
ALL HOURS	8.3	10.1	20.7	58.8	2.1	81.6	3.0	7200

MONTH: DEC HOURS: ALL

00-02	14.8	10.4	13.7	56.2	4.8	74.7	4.7	930
03-05	16.0	7.1	11.5	60.3	5.1	76.9	4.6	930
06-08	11.7	8.4	16.9	57.7	5.3	79.9	4.9	930
09-11	7.4	10.4	21.0	58.2	3.0	82.2	8.5	930
12-14	8.7	11.0	19.1	59.2	1.9	80.3	5.9	930
15-17	9.9	12.8	20.3	54.5	2.5	77.3	4.3	928
18-20	13.9	12.6	14.6	55.4	3.5	73.5	3.0	927
21-23	14.9	11.4	13.9	56.1	3.7	73.7	3.8	927
ALL HOURS	12.2	10.5	16.4	57.2	3.7	77.3	5.0	7432

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES					GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION			
00-02	25.6	12.9	15.9	43.8	1.7	61.4	1.9	10956
03-05	20.6	11.8	15.9	48.9	2.8	67.6	3.0	10956
06-08	12.0	12.9	19.1	52.3	3.6	75.1	4.2	10956
09-11	12.1	14.1	22.9	49.0	1.8	73.7	3.1	10956
12-14	14.0	17.2	24.0	44.3	.4	68.7	1.6	10956
15-17	14.5	19.8	24.5	40.8	.3	65.7	1.3	10954
18-20	17.4	20.2	21.5	40.4	.4	62.3	.9	10953
21-23	25.4	16.6	17.7	39.5	.8	58.1	1.2	10953
ALL HOURS	17.7	15.7	20.2	44.9	1.5	66.6	2.2	87640

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	EEEEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPPP	AA AA	RRRRRRRR	TT	EEEEEE
PPPPPPPP	AAAAAAAAAA	RRRRRRRR	TT	EEEEEE
PP	AAAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEEEE

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

E - 1 - 3

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912

MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 105							.2	.2	.1				.0
GE 100					.1	.1	1.5	1.4	.1				.3
GE 95					.2	1.1	4.4	4.3	1.0				.9
GE 90				.2	1.1	4.4	11.3	12.1	4.4	.2			2.8
GE 85				.6	5.0	12.3	26.6	25.7	12.7	1.0			7.0
GE 80			.1	2.1	11.5	23.6	47.1	44.2	25.3	2.8			13.2
GE 75			.5	7.5	22.0	39.2	69.8	70.0	43.1	9.3			21.9
GE 70		.1	3.9	17.8	37.1	61.8	89.4	90.3	65.8	21.0	.2		32.5
GE 65	.1	1.1	10.8	30.9	55.9	84.9	98.4	98.5	87.5	42.5	2.5		43.0
GE 60	1.3	7.1	24.7	51.7	80.9	97.4	100.0	99.9	98.1	71.3	12.7	1.7	54.1
GE 55	8.4	23.3	51.3	80.3	96.5	99.8		100.0	99.8	91.2	39.7	10.1	66.9
GE 50	26.8	54.9	82.4	96.2	99.9	100.0			100.0	98.7	70.3	32.5	80.2
GE 45	54.1	82.5	96.4	99.7	100.0					99.7	89.7	61.6	90.3
GE 40	76.2	93.2	99.3	99.9						99.9	97.5	87.0	96.1
GE 35	88.0	97.1	99.9	100.0						100.0	99.0	95.8	98.3
GE 33	91.4	98.2	99.9								99.3	97.3	98.8
GE 30	95.5	99.0	99.9								99.4	98.4	99.3
GE 25	98.4	99.6	100.0								100.0	99.2	99.8
GE 20	99.8	99.8										99.7	99.9
GE 15	100.0	100.0										99.9	100.0
GE 10												100.0	100.0
MEAN	44.4	49.9	55.4	61.2	67.5	73.2	79.4	79.3	73.9	63.9	52.5	46.3	62.3
SD	7.95	6.93	6.88	8.12	8.89	8.57	8.21	8.12	8.45	7.51	6.56	6.74	14.35
TOTAL OBS	1828	1667	1829	1770	1828	1769	1829	1829	1770	1827	1770	1829	21545

E - 2 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 70							.5						.0
GE 65						.4	2.4	1.7		.1			.4
GE 60				.1	.6	6.1	19.1	23.7	5.5	.4		.1	4.7
GE 55		.1	.2	1.0	7.8	38.2	72.3	73.6	35.6	6.0	.4	.2	19.8
GE 50	.9	1.2	2.0	9.3	33.3	79.2	96.1	95.2	71.2	29.2	5.5	1.4	35.6
GE 45	6.3	8.3	15.7	32.8	73.9	98.2	99.9	99.8	91.6	60.9	25.5	8.4	52.0
GE 40	23.5	33.8	48.5	68.9	95.0	99.9	100.0	100.0	98.5	85.1	54.3	31.5	70.1
GE 35	49.9	63.5	79.3	92.7	99.5	100.0			99.9	96.8	78.7	61.7	85.2
GE 33	61.6	74.0	88.0	97.2	99.8				100.0	98.4	85.1	73.0	89.8
GE 30	74.7	86.0	95.0	99.9	99.9					99.6	91.9	83.8	94.2
GE 25	87.1	95.2	99.4	100.0	99.9					100.0	98.0	94.6	97.9
GE 20	93.7	97.9	99.9		99.9						99.5	98.1	99.1
GE 15	97.8	99.4	100.0		99.9						99.9	99.2	99.7
GE 10	99.5	99.7			100.0						100.0	99.7	99.9
GE 5	99.9	99.8										100.0	100.0
GE 0	99.9	99.9											100.0
GE -5	100.0	100.0											100.0
MEAN	33.6	36.3	39.0	42.2	47.5	53.1	56.5	56.7	52.1	45.9	39.7	36.0	44.9
SD	7.94	6.77	5.53	5.34	4.96	4.23	3.84	3.90	5.15	5.93	6.85	6.87	9.79
TOTAL OBS	1828	1667	1829	1770	1828	1769	1829	1829	1770	1827	1770	1829	21545

E - 2 - 2

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 85						.1	.5	.2					.1
GE 80					.1	.5	3.3	2.7	.2				.6
GE 75				.1	.8	3.7	11.3	11.0	2.4	.1			2.5
GE 70				.5	3.9	14.5	36.4	36.7	12.8	.4			8.9
GE 65			.1	2.4	13.3	37.4	74.7	76.4	39.6	4.8			20.9
GE 60		.1	1.1	10.2	34.7	73.7	97.7	98.3	75.9	21.0	.6	.1	34.6
GE 55	.3	2.0	8.6	30.0	67.9	97.3	100.0	99.9	96.1	54.2	7.2	1.3	47.3
GE 50	6.8	13.4	33.4	63.6	93.8	99.9		100.0	99.9	85.4	32.2	8.7	61.6
GE 45	25.7	44.1	72.1	92.5	99.8	100.0			100.0	97.6	63.7	32.1	77.4
GE 40	53.1	78.5	95.0	99.9	99.9					99.7	87.8	64.1	89.8
GE 35	77.7	92.8	99.2	99.9	99.9					99.9	96.5	87.5	96.1
GE 33	83.3	95.1	99.6	100.0	100.0					99.9	98.0	92.2	97.3
GE 30	88.1	96.9	99.9							100.0	99.0	96.5	98.4
GE 25	95.0	98.8	100.0								99.5	98.3	99.3
GE 20	98.5	99.6									99.9	99.4	99.8
GE 15	99.8	99.8									100.0	99.8	99.9
GE 10	99.9	99.9										100.0	100.0
GE 5	100.0	100.0											100.0
MEAN:	39.2	43.3	47.4	52.0	57.7	63.4	68.2	68.2	63.3	55.1	46.3	41.4	53.8
SD	7.63	6.22	5.07	5.65	5.95	5.52	5.24	5.00	5.34	5.51	6.08	6.45	11.56
TOTAL OBS	1828	1667	1829	1770	1828	1769	1829	1829	1770	1827	1770	1829	21545

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
26	60	65	76	93	87	99	104	91	90	77	69	63	104
27	56	57	68	81	86	92	101	96	84	75	70	59	101
28	59	60	76	74	93	86	99	88	90	74	61	59	99
29	51	52	66	75	82	89	93	95	87	80	67	59	95
30	54	63	83	77	78	94	92	96	97	69	69	55	97
31	64	58	65	86	93	91	101	96	89	79	67	59	101
32	54	68	67	75	81	91	86	95	91	86	67	57	95
33	58	58	63	76	80	91	94	102	82	81	62	60	102
34	59	62	76	90	90	88	88	95	95	85	68	57	95
35	65	58	62	75	83	96	105	100	93	81	55	55	105
36	55	56	67	85	89	85	88	97	88	88	64	58	97
37	44	60	66	67	84	92	89	92	97	79	63	60	97
38	56	57	69	75	89	92	101	86	95	78	57	61	101
39	58	53	76	84	96	86	100	100	88	80	66	60	100
40	60	58	72	82	91	98	92	99	88	78	59	62	99
41	55	61	75	79	86	95	103	96	80	71	66	60	103
42	54	56	77	79	81	102	107	97	91	80	60	57	107
48	52	65	72	70	85	93	92	83	94	73	55	52	94
49	44	62	61	75	86	87	93	93	91	68	68	56	93
50	48	61	62	77	85	88	90	95	91	72	60	64	95
51	58	62	63	81	85	97	93	94	91	79	64	51	97
52	57	59	65	76	87	83	98	99	96	89	62	56	99
53	60	58	72	70	86	80	91	95	88	77	62	59	95
54	58	60	63	73	86	82	82	82	83	72	69	54	86
55	52	55	60	73	77	95	86	90	98	75	61	61	98
56	57	50	70	84	89	81	102	93	85	81	59	58	102
57	54	63	62	87	83	79	87	86	92	72	60	58	92
58	62	66	67	77	89	95	102	95	97	84	63	62	102
59	57	61	65	77	83	86	98	88	89	73	63	59	98
60	58	57	73	77	79	86	97	100	89	78	61	54	100

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61	59	60	65	71	91	94	104	98	83	80	61	59	104
62	59	59	69	80	70	85	92	87	93	75	67	58	93
63	55	65	67	70	91	90	83	93	89	74	59	52	93
64	53	60	74	67	84	83	89	94	81	80	56	59	94
65	55	61	72	80	78	93	107	91	88	82	63	60	107
66	55	60	74	75	87	95	89	93	91	81	66	58	95
67	58	62	61	66	87	91	99	102	94	73	63	58	102
68	56	70	67	81	79	93	99	92	92	72	62	52	99
69	53	57	73	72	88	97	91	88	92	74	70	56	97
70	61	64	65	66	86	98	102	97	88	90	69	59	102
71	60	62	65	76	91	90	97	101	82	82	60	55	101
72	58	62	72	78	92	88	97	104	97	78	63	61	104
73	59	63	68	74	92	93	99	94	97	70	58	56	99
74	62	56	70	75	78	90	94	95	96	81	66	60	96
75	59	64	63	72	88	90	95	87	92	86	73	60	95
76	58	60	66	82	84	89	92	86	87	82	68	54	92
77	56	68	64	79	76	88	93	105	88	72	63	61	105
78	55	64	71	74	84	91	98	101	80	78	61	54	101
79	49	57	73	83	88	92	104	88	92	86	64	62	104
80	55	59	64	81	79	80	101	95	93	90	69	64	101
81	60	64	67	79	82	87	95	107	99	72	67	57	107
82	55	65	73	79	85	100	91	99	91	76	62	60	100
83	58	63	67	78	100	88	93	91	80	72	62	55	100
84	62	58	68	79	86	87	100	95	85	82	61	51	100
85	53	61	66	79	88	96	101	93	82	78	65	48	101
86	63	68	70	78	92	96	88	100	91	77	64	53	100
87	55	61	71	86	93	95	93	102	94	92	68	60	102
88	58	71	71	80	88	89	100	101	105	91	63	60	105
89	60	54	64	81	80	93	87	87	92	78	65	61	93

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	65	71	83	93	100	102	107	107	105	92	73	64	107
TOTAL OBS	1828	1667	1829	1770	1828	1769	1829	1829	1770	1827	1770	1829	21545

THE GREATEST VALUE OF 107 OCCURRED ON 07/02/42

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
26	31	37	35	41	42	48	51	54	43	41	36	19	19
27	12	31	34	34	43	46	53	49	47	34	34	14	12
28	15	31	32	37	40	48	50	52	43	35	31	25	15
29	15	16	33	33	43	47	53	50	45	38	30	34	15
30	13	31	33	38	37	45	50	51	44	38	29	28	13
31	30	32	33	37	40	47	53	52	45	39	25	25	25
32	22	22	31	38	41	46	49	54	46	40	33	16	16
33	23	12	33	34	43	45	52	52	40	38	35	34	12
34	34	33	38	39	43	47	52	53	39	42	39	34	33
35	12	29	32	36	41	42	49	49	50	29	23	28	12
36	27	14	31	31	41	51	53	52	44	36	30	27	14
37	14	19	36	38	39	47	50	48	44	44	38	32	14
38	26	31	34	38	12	46	50	49	53	39	32	29	12
39	33	24	32	38	40	47	50	47	47	38	35	26	24
40	26	33	37	39	43	45	50	52	45	37	27	25	25
41	28	28	30	37	38	46	49	51	43	39	28	24	24
42	19	30	33	41	40	48	53	51	49	39	34	33	19
48	24	24	30	32	34	52	48	50	41	32	29	22	22
49	9	23	31	22	26	41	48	45	40	27	29	25	9
50	-2	-3	28	31	38	45	48	47	36	33	26	35	-3
51	16	26	26	29	37	46	48	44	39	31	31	22	16
52	20	28	28	32	33	42	47	49	42	37	18	25	18
53	29	27	28	31	37	43	48	48	38	33	31	33	27
54	19	25	23	31	29	42	45	48	35	32	30	26	19
55	25	20	19	29	36	44	43	45	38	38	13	23	13
56	13	16	24	30	36	46	48	48	42	35	22	23	13
57	6	22	27	32	43	46	46	47	39	34	26	32	6
58	26	27	27	34	36	50	51	50	42	30	23	27	23
59	16	29	31	33	37	45	47	46	43	31	25	22	16
60	22	19	22	33	33	47	47	47	41	33	30	23	19

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61	23	35	30	33	39	42	49	51	34	32	23	21	21
62	9	20	28	35	34	44	44	46	42	38	31	22	9
63	11	32	28	33	36	44	46	47	44	30	26	20	11
64	28	23	29	30	32	42	47	46	39	32	25	6	6
65	29	29	25	32	35	41	50	46	34	36	32	19	19
66	24	26	29	32	37	39	52	48	46	34	33	32	24
67	31	27	25	31	39	46	52	51	43	36	25	13	13
68	24	26	27	30	38	45	48	49	44	35	31	8	8
69	16	23	22	33	36	50	49	46	42	31	28	24	16
70	23	31	29	30	37	45	50	45	36	29	27	26	23
71	20	23	22	30	40	45	46	52	40	26	27	23	20
72	18	18	29	30	37	47	49	51	39	30	30	8	8
73	22	26	33	33	40	44	50	45	44	37	29	30	22
74	12	29	25	34	39	45	49	48	43	35	31	28	12
75	26	27	27	30	37	45	51	48	42	36	29	26	26
76	26	24	25	31	41	42	46	49	45	33	22	23	22
77	17	28	29	31	40	41	46	51	42	37	26	27	17
78	23	27	28	33	35	47	49	48	44	31	18	13	13
79	14	16	33	38	42	44	47	52	45	38	30	28	14
80	13	25	33	31	42	45	53	44	44	33	33	22	13
81	28	25	28	31	40	48	45	50	43	34	26	29	25
82	14	21	31	31	37	47	49	47	43	35	24	22	14
83	25	28	34	33	43	49	50	51	47	36	29	12	12
84	19	30	32	36	42	46	50	50	42	35	31	18	18
85	21	15	27	36	37	45	53	50	39	30	13	20	13
86	28	25	33	33	37	46	47	50	42	39	30	27	25
87	23	25	32	34	43	45	51	50	45	37	28	23	23
88	22	22	29	32	38	42	48	50	44	35	31	26	22
89	28	9	19	33	42	47	51	51	44	32	32	25	9

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912

MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
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LEAST	-2	-3	19	29	12	39	43	44	34	26	13	6	-3
TOTAL OBS	1828	1667	1829	1770	1828	1769	1829	1829	1770	1827	1770	1829	21545

THE LEAST VALUE OF -3 OCCURRED ON 02/02/50

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
26	43	49	54	60	60	67	71	69	62	58	51	41	57
27	39	46	47	52	56	65	69	69	62	55	50	38	54
28	39	45	51	52	63	62	69	68	62	55	47	40	54
29	34	36	48	49	59	63	69	69	65	59	45	46	54
30	28	47	51	56	55	63	67	70	64	54	46	41	53
31	45	45	49	56	63	64	70	69	63	56	44	40	56
32	40	42	48	53	58	66	66	68	66	57	50	38	54
33	40	38	47	52	54	63	68	70	60	57	47	47	54
34	47	50	55	60	62	64	67	70	63	58	51	44	58
35	41	47	44	52	58	65	68	69	67	54	43	42	54
36	44	34	46	56	61	65	68	70	64	59	46	44	55
37	30	42	50	50	59	66	69	67	64	60	50	44	54
38	42	44	47	55	59	65	71	66	68	57	45	44	55
39	44	41	50	56	61	62	69	70	66	56	50	46	56
40	42	47	52	55	63	67	69	70	66	58	43	43	56
41	42	46	52	55	58	62	72	68	61	55	48	43	55
42	36	44	48	54	58	63	71	70	66	58	47	44	55
48	39	41	45	49	56	66	66	65	62	53	44	38	52
49	28	39	45	52	59	61	66	66	63	48	50	41	52
50	27	39	45	48	54	61	67	69	62	53	47	47	52
51	40	43	42	54	57	65	67	66	63	54	46	38	53
52	36	42	46	53	58	61	68	68	65	59	41	42	53
53	48	44	46	50	55	59	67	66	63	55	49	44	54
54	39	43	44	50	57	58	63	64	60	53	50	41	52
55	40	41	42	47	53	61	64	66	61	54	42	39	51
56	40	36	44	53	59	59	68	66	61	52	43	41	52
57	31	42	46	52	59	62	66	65	66	53	44	44	53
58	44	49	46	51	62	66	71	71	63	55	46	44	56
59	41	43	47	53	56	63	69	66	61	54	43	40	53
60	36	42	45	51	54	63	69	66	62	55	47	39	52

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
61	44	47	48	50	57	66	70	71	60	54	43	41	54
62	39	43	45	53	54	62	57	55	54	55	48	43	53
63	35	48	45	49	57	60	63	66	65	54	46	38	52
64	41	40	44	47	53	59	65	64	59	53	41	37	50
65	40	44	48	52	55	62	70	69	61	58	50	40	54
66	41	43	47	51	57	63	67	68	65	54	47	45	54
67	44	44	44	47	57	66	70	73	67	55	46	41	55
68	40	48	48	48	57	62	69	66	62	52	47	38	53
69	32	40	47	50	60	67	67	66	64	53	47	43	53
70	41	46	47	49	57	66	69	68	61	53	47	40	54
71	41	43	44	50	57	61	69	72	61	53	46	41	53
72	39	44	50	48	60	64	71	72	61	53	48	38	54
73	39	45	48	52	60	64	71	66	65	54	44	45	55
74	38	43	47	52	56	65	67	69	67	55	48	44	54
75	42	41	45	48	58	62	69	66	66	54	46	43	53
76	42	42	45	50	57	61	67	66	64	55	47	40	55
77	36	45	46	53	54	64	67	72	61	54	44	42	53
78	40	45	49	51	55	65	69	68	61	55	39	35	53
79	31	43	51	53	60	65	71	69	67	58	45	45	55
80	35	43	46	54	58	61	69	67	64	56	49	44	54
81	44	44	49	53	58	62	68	72	65	54	49	43	55
82	40	44	49	49	58	66	68	69	63	55	45	42	54
83	45	47	51	53	61	63	67	69	62	55	50	37	55
84	42	46	51	51	57	62	69	70	64	53	47	39	54
85	36	41	46	54	58	65	74	69	61	53	37	33	53
86	43	44	52	50	58	66	65	73	62	57	48	41	55
87	40	45	49	54	61	67	67	71	66	58	49	39	56
88	39	45	47	52	57	63	69	68	64	59	48	42	54
89	42	36	46	56	58	65	66	66	66	55	49	41	54

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NAME: PORTLAND IAP OR
LST TO UTC: +08

PERIOD OF RECORD: 2601-8912
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	39.2	43.3	47.4	52.0	57.7	63.4	68.2	68.2	63.3	55.1	46.3	41.4	53.8
TOTAL OBS	1828	1667	1829	1770	1828	1769	1829	1829	1770	1827	1770	1829	21545

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	39.3	6.366	930	0	145	0	0	0	930
03-05	38.5	6.596	930	0	178	0	0	0	930
06-08	38.5	6.801	930	0	182	0	0	0	930
09-11	41.1	6.440	930	0	83	0	0	0	930
12-14	45.0	5.863	930	0	11	0	0	0	930
15-17	44.7	5.709	930	0	11	0	0	0	930
18-20	41.9	5.675	930	0	30	0	0	0	930
21-23	40.5	5.975	930	0	72	0	0	0	930
ALL HOURS	41.2	6.620	7440	0	712	0	0	0	7440

MONTH: FEB

00-02	40.2	7.311	846	0	103	0	0	0	846
03-05	39.1	7.596	846	0	142	0	0	0	846
06-08	38.9	7.937	846	0	166	0	0	0	846
09-11	42.6	7.658	846	0	71	0	0	0	846
12-14	47.6	7.707	846	0	18	6	0	0	846
15-17	48.4	7.708	846	0	11	10	0	0	846
18-20	44.3	7.094	846	0	39	0	0	0	846
21-23	42.1	6.961	846	0	63	0	0	0	846
ALL HOURS	42.9	8.260	6768	0	613	16	0	0	6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	44.6	5.018	930	0	9	0	0	0	930
03-05	43.2	5.355	930	0	25	0	0	0	930
06-08	43.2	5.411	930	0	35	0	0	0	930
09-11	48.5	4.962	930	0	5	0	0	0	930
12-14	53.9	5.675	930	0	3	32	0	0	930
15-17	55.0	6.541	930	0	2	72	0	0	930
18-20	50.6	5.518	930	0	3	7	0	0	930
21-23	46.9	4.775	930	0	7	0	0	0	930
ALL HOURS	48.2	6.931	7440	0	89	111	0	0	7440

MONTH: APR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	47.6	5.077	900	0	0	1	0	0	900
03-05	45.7	5.054	900	0	3	0	0	0	900
06-08	46.7	5.159	900	0	2	0	0	0	900
09-11	53.0	5.885	900	0	1	37	0	0	900
12-14	58.4	7.789	900	0	0	198	5	0	900
15-17	59.9	8.618	900	0	0	279	11	0	900
18-20	55.8	7.566	900	0	0	119	1	0	900
21-23	50.7	5.928	900	0	0	15	0	0	900
ALL HOURS	52.2	8.303	7200	0	6	649	17	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	52.2	5.279	930	0	0	23	0	0	930
03-05	50.3	4.973	930	0	0	5	0	0	930
06-08	52.5	5.325	930	0	0	27	0	0	930
09-11	58.6	6.743	930	0	0	161	6	0	930
12-14	63.7	8.677	930	0	0	364	56	3	930
15-17	65.3	9.651	930	0	0	436	84	4	930
18-20	61.3	8.622	930	0	0	289	40	2	930
21-23	55.5	6.444	930	0	0	91	2	0	930
ALL HOURS	57.4	8.859	7440	0	0	1396	188	9	7440

MONTH: JUN

00-02	57.5	4.516	900	0	0	59	0	0	900
03-05	55.2	3.975	900	0	0	10	0	0	900
06-08	57.7	4.427	900	0	0	66	0	0	900
09-11	64.0	6.270	900	0	0	353	24	0	900
12-14	69.9	8.230	900	0	0	632	136	7	900
15-17	72.3	9.170	900	0	0	701	216	19	900
18-20	68.5	8.318	900	0	0	560	100	3	900
21-23	61.5	5.692	900	0	0	255	4	0	900
ALL HOURS	63.3	8.935	7200	0	0	2636	480	29	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	61.2	4.252	930	0	0	194	0	0	930
03-05	58.7	3.618	930	0	0	53	0	0	930
06-08	60.8	3.964	930	0	0	137	0	0	930
09-11	67.6	6.002	930	0	0	619	44	1	930
12-14	74.4	8.102	930	0	0	846	239	20	930
15-17	77.4	9.039	930	0	0	869	362	52	930
18-20	73.2	8.155	930	0	0	789	209	12	930
21-23	65.6	5.681	930	0	0	487	11	0	930
ALL HOURS	67.3	9.162	7440	0	0	3994	865	85	7440

MONTH: AUG

00-02	62.5	3.928	930	0	0	242	0	0	930
03-05	59.7	3.617	930	0	0	82	0	0	930
06-08	60.9	4.037	930	0	0	136	1	0	930
09-11	68.6	5.770	930	0	0	700	53	2	930
12-14	76.4	7.885	930	0	0	895	285	38	930
15-17	79.8	8.798	930	0	0	912	438	82	930
18-20	74.7	7.717	930	0	0	866	242	22	930
21-23	67.0	5.128	930	0	0	603	20	0	930
ALL HOURS	68.7	9.422	7440	0	0	4436	1039	144	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	57.5	5.012	900	0	0	57	1	0	900
03-05	55.2	4.889	900	0	0	16	3	0	900
06-08	56.0	5.129	900	0	0	31	0	0	900
09-11	63.6	6.209	900	0	0	379	11	0	900
12-14	71.0	8.255	900	0	0	701	141	7	900
15-17	73.0	9.421	900	0	0	725	230	17	900
18-20	66.8	7.807	900	0	0	526	59	1	900
21-23	60.8	5.444	900	0	0	225	0	0	900
ALL HOURS	63.0	9.253	7200	0	0	2660	442	25	7200

MONTH: OCT

00-02	50.5	5.562	930	0	0	2	0	0	930
03-05	49.1	5.640	930	0	1	0	0	0	930
06-08	49.4	5.643	930	0	1	0	0	0	930
09-11	54.9	6.053	930	0	0	54	0	0	930
12-14	61.0	6.909	930	0	0	257	14	0	930
15-17	62.0	7.206	930	0	0	305	16	0	930
18-20	56.3	5.817	930	0	0	82	1	0	930
21-23	52.7	5.309	930	0	0	14	0	0	930
ALL HOURS	54.5	7.695	7440	0	2	714	31	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	44.9	7.165	900	0	51	0	0	0	900
03-05	44.2	7.303	900	0	61	0	0	0	900
06-08	44.2	7.370	900	0	65	0	0	0	900
09-11	47.1	6.960	900	0	30	0	0	0	900
12-14	50.7	6.822	900	0	21	4	0	0	900
15-17	49.9	6.962	900	0	23	4	0	0	900
18-20	46.8	6.655	900	0	26	0	0	0	900
21-23	45.4	6.868	900	0	32	0	0	0	900
ALL HOURS	46.6	7.368	7200	0	309	8	0	0	7200

MONTH: DEC

00-02	37.5	7.726	930	0	208	0	0	0	930
03-05	37.1	7.924	930	0	235	0	0	0	930
06-08	36.9	7.784	930	0	241	0	0	0	930
09-11	39.0	7.605	930	0	159	0	0	0	930
12-14	42.0	7.306	930	0	76	0	0	0	930
15-17	41.2	7.265	928	0	90	0	0	0	928
18-20	38.9	7.195	927	0	138	0	0	0	927
21-23	38.0	7.353	927	0	180	0	0	0	927
ALL HOURS	38.8	7.744	7432	0	1327	0	0	0	7432

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 0	LE 32	GE 65	GE 80	GE 93	
00-02	49.7	10.091	10956	0	516	578	1	0	10956
03-05	48.0	9.508	10956	0	645	166	0	0	10956
06-08	48.9	10.246	10956	0	692	397	1	0	10956
09-11	54.1	11.933	10956	0	349	2303	138	3	10956
12-14	59.6	13.580	10956	0	129	3935	876	75	10956
15-17	60.8	14.975	10954	0	137	4313	1357	174	10954
18-20	56.6	13.913	10953	0	236	3238	652	40	10953
21-23	52.3	11.274	10953	0	354	1690	37	0	10953
ALL HOURS	53.7	12.925	87640	0	3058	16620	3062	292	87640

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN

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HOURS	MEAN	STANDARD	TOTAL	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL
LST		DEVIATION	OBS	LE 32	GE 50	GE 67	GE 73	GE 80	HOURS
00-02	37.6	6.060	930	212	26	0	0	0	930
03-05	37.1	6.260	930	230	18	0	0	0	930
06-08	37.0	6.457	930	233	24	0	0	0	930
09-11	39.0	6.011	930	153	39	0	0	0	930
12-14	41.4	5.471	930	57	51	0	0	0	930
15-17	41.1	5.479	930	70	49	0	0	0	930
18-20	39.3	5.669	930	114	29	0	0	0	930
21-23	38.4	5.887	930	166	28	0	0	0	930
ALL									
HOURS	38.9	6.092	7440	1235	264	0	0	0	7440
.....

MONTH: FEB

00-02	38.3	7.322	846	151	42	0	0	0	846
03-05	37.5	7.581	846	178	42	0	0	0	846
06-08	37.4	7.803	846	181	40	0	0	0	846
09-11	39.9	7.278	846	110	59	0	0	0	846
12-14	42.8	6.961	846	61	123	0	0	0	846
15-17	43.0	6.947	846	61	126	0	0	0	846
18-20	40.8	7.010	846	91	72	0	0	0	846
21-23	39.5	7.054	846	122	52	0	0	0	846
ALL									
HOURS	39.9	7.549	6768	955	556	0	0	0	6768
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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	42.4	4.536	930	12	45	0	0	0	930
03-05	41.4	4.936	930	36	35	0	0	0	930
06-08	41.5	4.961	930	45	33	0	0	0	930
09-11	44.9	4.085	930	8	99	0	0	0	930
12-14	47.6	3.984	930	5	274	0	0	0	930
15-17	47.9	4.136	930	2	320	0	0	0	930
18-20	45.6	4.062	930	5	166	0	0	0	930
21-23	43.7	4.199	930	9	66	0	0	0	930
ALL HOURS	44.4	5.008	7440	122	1038	0	0	0	7440

MONTH: APR

00-02	44.8	4.476	900	0	141	0	0	0	900
03-05	43.7	4.604	900	3	109	0	0	0	900
06-08	44.5	4.550	900	2	127	0	0	0	900
09-11	48.1	4.471	900	1	309	0	0	0	900
12-14	50.6	5.087	900	0	479	4	0	0	900
15-17	51.0	5.248	900	0	503	4	0	0	900
18-20	48.9	4.956	900	0	396	1	0	0	900
21-23	46.5	4.639	900	0	241	0	0	0	900
ALL HOURS	47.3	5.418	7200	6	2305	9	0	0	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	49.1	4.551	930	0	389	0	0	0	930
03-05	47.9	4.402	930	0	298	0	0	0	930
06-08	49.4	4.392	930	0	395	0	0	0	930
09-11	52.5	4.877	930	0	632	8	0	0	930
12-14	54.8	5.570	930	0	782	34	2	0	930
15-17	55.3	5.669	930	0	812	45	4	0	930
18-20	53.6	5.497	930	0	700	21	0	0	930
21-23	50.9	4.973	930	0	531	0	0	0	930
ALL HOURS	51.7	5.690	7440	0	4539	108	6	0	7440

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	53.7	3.807	900	0	769	0	0	0	900
03-05	52.4	3.564	900	0	683	0	0	0	900
06-08	53.8	3.537	900	0	793	0	0	0	900
09-11	56.9	4.023	900	0	893	15	0	0	900
12-14	59.2	4.546	900	0	898	74	0	0	900
15-17	59.9	4.782	900	0	900	94	2	0	900
18-20	58.6	4.550	900	0	899	43	1	0	900
21-23	55.7	4.011	900	0	846	3	0	0	900
ALL HOURS	56.3	4.847	7200	0	6681	229	3	0	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 77	GE 80	
00-02	56.6	3.134	930	0	924	5	0	0	930
03-05	55.3	3.008	930	0	903	0	0	0	930
06-08	56.5	2.879	930	0	928	1	0	0	930
09-11	59.4	3.349	930	0	930	31	0	0	930
12-14	62.2	3.935	930	0	930	144	2	0	930
15-17	63.3	4.078	930	0	930	227	5	0	930
18-20	61.9	4.082	930	0	930	138	3	0	930
21-23	58.8	3.569	930	0	929	16	0	0	930
ALL HOURS	59.3	4.537	7440	0	7404	562	10	0	7440

MONTH: AUG

00-02	57.9	3.179	930	0	929	8	0	0	930
03-05	56.5	3.089	930	0	919	2	0	0	930
06-08	57.2	3.044	930	0	924	5	0	0	930
09-11	60.4	3.218	930	0	930	43	2	0	930
12-14	63.1	3.669	930	0	930	171	14	0	930
15-17	64.0	3.644	930	0	930	232	15	0	930
18-20	62.8	3.802	930	0	930	168	6	0	930
21-23	60.1	3.333	930	0	930	43	0	0	930
ALL HOURS	60.2	4.313	7440	0	7422	672	37	0	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	54.1	4.319	900	0	763	1	0	0	900
03-05	52.7	4.402	900	0	685	0	0	0	900
06-08	53.2	4.304	900	0	734	0	0	0	900
09-11	56.8	3.963	900	0	869	3	0	0	900
12-14	59.4	4.196	900	0	896	44	0	0	900
15-17	59.8	4.702	900	0	886	77	0	0	900
18-20	58.0	4.600	900	0	866	25	0	0	900
21-23	55.8	4.357	900	0	823	1	0	0	900
ALL HOURS	56.2	4.998	7200	0	6522	151	0	0	7200

MONTH: OCT

00-02	48.4	5.103	930	1	399	0	0	0	930
03-05	47.5	5.158	930	1	345	0	0	0	930
06-08	47.8	5.120	930	2	371	0	0	0	930
09-11	51.0	4.736	930	0	564	0	0	0	930
12-14	53.8	4.650	930	0	755	3	0	0	930
15-17	54.1	4.834	930	0	755	1	0	0	930
18-20	51.7	4.774	930	0	615	0	0	0	930
21-23	49.9	4.881	930	1	484	0	0	0	930
ALL HOURS	50.5	5.497	7440	5	4288	4	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE					DEG F	TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	0		
00-02	42.9	6.973	900	68	133	0	0	0		900
03-05	42.5	7.042	900	71	120	0	0	0		900
06-08	42.4	7.099	900	81	123	0	0	0		900
09-11	44.4	6.640	900	48	186	0	0	0		900
12-14	46.4	6.258	900	23	291	0	0	0		900
15-17	45.8	6.391	900	29	237	0	0	0		900
18-20	44.0	6.640	900	50	164	0	0	0		900
21-23	43.2	6.828	900	62	140	0	0	0		900
ALL HOURS	44.0	6.857	7200	432	1394	0	0	0		7200

MONTH: DEC

00-02	35.8	7.809	930	278	22	0	0	0		930
03-05	35.5	7.965	930	292	20	0	0	0		930
06-08	35.3	7.899	930	287	13	0	0	0		930
09-11	36.9	7.704	930	230	30	0	0	0		930
12-14	38.8	7.333	930	145	37	0	0	0		930
15-17	38.2	7.363	928	167	30	0	0	0		928
18-20	36.7	7.430	927	210	17	0	0	0		927
21-23	36.2	7.558	927	249	21	0	0	0		927
ALL HOURS	36.6	7.738	7432	1858	190	0	0	0		7432

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F					TOTAL HOURS
				LE 32	GE 50	GE 67	GE 73	GE 80	
00-02	46.8	9.093	10956	722	4582	14	0	0	10956
03-05	45.9	8.881	10956	811	4177	2	0	0	10956
06-08	46.4	9.253	10956	831	4505	6	0	0	10956
09-11	49.2	9.483	10956	550	5540	100	2	0	10956
12-14	51.7	9.604	10956	291	6446	474	18	0	10956
15-17	52.0	10.040	10954	329	6478	680	26	0	10954
18-20	50.2	10.184	10953	470	5784	396	10	0	10953
21-23	48.3	9.496	10953	609	5091	63	0	0	10953
ALL HOURS	48.8	9.768	87640	4613	42603	1735	56	0	87640

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	35.0	7.252	930	153	416	930	0	930
03-05	34.8	7.222	930	157	407	930	0	930
06-08	34.8	7.317	930	157	413	930	0	930
09-11	35.9	7.154	930	116	489	930	0	930
12-14	36.6	7.449	930	120	543	929	0	930
15-17	36.3	7.534	930	128	533	930	0	930
18-20	35.8	7.477	930	136	488	930	0	930
21-23	35.3	7.437	930	148	438	928	0	930
ALL HOURS	35.6	7.411	7440	1115	3727	7437	0	7440

MONTH: FEB

00-02	35.2	9.452	846	117	422	842	0	846
03-05	35.0	9.405	846	124	404	842	0	846
06-08	34.8	9.474	846	122	398	843	0	846
09-11	36.2	9.484	846	98	477	843	0	846
12-14	36.6	9.856	846	105	494	841	0	846
15-17	36.2	10.160	846	117	480	841	0	846
18-20	35.8	9.879	846	117	456	843	0	846
21-23	35.7	9.737	846	109	463	845	0	846
ALL HOURS	35.7	9.719	6768	909	3594	6740	0	6768

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	39.8	5.560	930	12	674	930	0	930
03-05	39.4	5.585	930	16	646	930	0	930
06-08	39.5	5.534	930	22	672	930	0	930
09-11	41.0	5.129	930	16	774	930	0	930
12-14	40.9	5.744	930	16	720	930	0	930
15-17	40.3	6.313	930	26	680	930	0	930
18-20	40.0	6.263	930	32	663	930	0	930
21-23	40.0	5.880	930	31	685	930	0	930
ALL HOURS	40.1	5.829	7440	171	5514	7440	0	7440

MONTH: APR

00-02	41.9	5.183	900	9	771	895	0	900
03-05	41.5	5.193	900	6	767	896	0	900
06-08	42.0	4.961	900	2	806	894	0	900
09-11	43.1	5.231	900	7	832	885	0	900
12-14	43.2	5.858	900	3	804	875	0	900
15-17	42.5	6.215	900	6	755	880	0	900
18-20	42.0	6.225	900	11	741	885	0	900
21-23	42.2	5.570	900	10	782	891	0	900
ALL HOURS	42.3	5.640	7200	54	6258	7101	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	46.2	4.906	930	0	919	889	0	930
03-05	45.8	4.658	930	0	919	899	0	930
06-08	46.6	4.529	930	0	924	891	0	930
09-11	47.2	5.059	930	0	922	859	0	930
12-14	47.2	6.032	930	1	906	829	4	930
15-17	46.9	6.165	930	0	899	845	2	930
18-20	46.9	5.889	930	0	904	841	1	930
21-23	46.8	5.255	930	0	914	862	0	930
ALL HOURS	46.7	5.396	7440	1	7307	6915	7	7440

MONTH: JUN

00-02	50.6	4.101	900	0	900	772	0	900
03-05	50.1	3.855	900	0	900	808	0	900
06-08	50.7	3.677	900	0	900	799	0	900
09-11	51.3	4.213	900	0	900	740	0	900
12-14	51.3	4.964	900	0	898	704	0	900
15-17	50.7	5.500	900	0	895	706	2	900
18-20	51.1	5.094	900	0	897	703	1	900
21-23	51.1	4.464	900	0	900	731	0	900
ALL HOURS	50.9	4.582	7200	0	7190	5963	3	7200

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	53.1	3.559	930	0	929	693	2	930
03-05	52.7	3.384	930	0	930	732	0	930
06-08	53.2	2.957	930	0	930	715	0	930
09-11	53.6	3.423	930	0	930	638	1	930
12-14	53.8	4.121	930	0	930	585	2	930
15-17	53.8	4.355	930	0	930	568	7	930
18-20	54.2	4.084	930	0	930	571	5	930
21-23	53.8	3.776	930	0	928	598	3	930
ALL HOURS	53.5	3.844	7440	0	7437	5100	20	7440

MONTH: AUG

00-02	54.5	3.723	930	0	930	542	6	930
03-05	54.0	3.327	930	0	930	598	3	930
06-08	54.4	3.188	930	0	930	570	3	930
09-11	54.7	3.563	930	0	930	525	2	930
12-14	54.1	4.291	930	0	930	557	1	930
15-17	53.3	5.069	930	0	926	593	4	930
18-20	54.7	4.726	930	0	926	495	7	930
21-23	55.1	3.954	930	0	930	480	4	930
ALL HOURS	54.4	4.115	7440	0	7437	4360	30	7440

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	51.3	5.470	900	3	878	695	0	900
03-05	50.7	5.106	900	0	884	739	0	900
06-08	51.0	5.052	900	3	887	732	0	900
09-11	51.3	5.447	900	5	878	705	0	900
12-14	50.4	6.234	900	5	867	698	0	900
15-17	49.7	6.685	900	7	866	718	0	900
18-20	51.0	6.481	900	6	870	639	0	900
21-23	51.7	5.901	900	3	875	644	0	900
ALL HOURS	50.9	5.887	7200	32	7005	5570	0	7200

MONTH: OCT

00-02	46.6	5.745	930	0	883	893	0	930
03-05	46.1	5.738	930	4	884	893	0	930
06-08	46.4	5.516	930	7	887	895	0	930
09-11	47.5	5.756	930	8	891	869	0	930
12-14	47.4	6.841	930	14	868	845	0	930
15-17	47.1	7.003	930	16	864	851	0	930
18-20	47.4	6.670	930	12	860	854	0	930
21-23	47.2	6.252	930	13	875	874	0	930
ALL HOURS	47.0	6.272	7440	74	7012	6974	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	40.6	8.191	900	64	701	896	0	900
03-05	40.4	8.203	900	70	696	897	0	900
06-08	40.3	8.289	900	74	676	897	0	900
09-11	41.4	8.069	900	64	728	897	0	900
12-14	41.7	8.024	900	58	741	894	0	900
15-17	41.2	8.127	900	65	704	896	0	900
18-20	40.8	8.402	900	65	699	897	0	900
21-23	40.5	8.470	900	67	700	900	0	900
ALL HOURS	40.9	8.261	7200	527	5645	7174	0	7200

MONTH: DEC

00-02	32.7	10.071	930	223	378	930	0	930
03-05	32.4	10.264	930	234	364	930	0	930
06-08	32.3	10.241	930	239	363	928	0	930
09-11	33.3	10.309	930	214	401	927	0	930
12-14	33.9	10.255	930	198	437	926	0	930
15-17	33.6	10.157	928	208	420	923	0	930
18-20	33.1	10.009	927	222	388	927	0	930
21-23	32.9	9.965	927	226	371	927	0	930
ALL HOURS	33.0	10.191	7432	1764	3122	7418	0	7432

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F				TOTAL HOURS
				LE 27	GE 37	LE 55	GE 65	
00-02	44.0	9.667	10956	581	8801	9907	8	10956
03-05	43.6	9.561	10956	611	8731	10094	3	10956
06-08	43.9	9.691	10956	626	8786	10024	3	10956
09-11	44.8	9.513	10956	528	9152	9748	3	10956
12-14	44.8	9.618	10956	520	9138	9613	7	10956
15-17	44.4	9.776	10954	573	8952	9681	15	10954
18-20	44.5	10.055	10953	601	8822	9515	14	10953
21-23	44.4	9.933	10953	607	8861	9610	7	10953
ALL HOURS	44.3	9.736	87640	4647	71243	78192	60	87640

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	99.7	98.9	94.2	85.5	72.6	46.0	85.0	930
03-05	100.0	100.0	100.0	99.5	99.0	95.3	88.2	78.2	51.2	86.8	930
06-08	100.0	100.0	100.0	99.7	98.9	94.9	89.2	79.9	51.8	87.1	930
09-11	100.0	100.0	99.9	99.1	97.4	90.8	82.7	67.6	35.5	82.5	930
12-14	100.0	100.0	99.4	98.8	91.3	78.8	62.6	42.7	15.1	73.5	930
15-17	100.0	100.0	99.5	98.6	92.9	77.1	61.3	41.3	15.1	73.4	930
18-20	100.0	100.0	100.0	99.4	97.5	87.5	75.3	60.9	27.3	79.6	930
21-23	100.0	100.0	100.0	99.7	98.5	91.1	80.2	66.3	34.6	82.1	930
ALL HOURS	100.0	100.0	99.8	99.3	96.8	88.7	78.1	63.7	34.6	81.3	7440

MONTH: FEB

00-02	100.0	100.0	99.6	97.5	96.0	92.0	83.6	71.7	35.9	82.9	846
03-05	100.0	100.0	99.6	98.9	97.0	93.3	87.5	79.0	43.6	85.4	846
06-08	100.0	100.0	99.6	98.7	96.6	92.9	89.0	78.8	44.9	85.6	846
09-11	100.0	100.0	99.2	96.2	92.6	87.7	79.6	60.0	24.7	79.0	846
12-14	100.0	99.3	96.7	91.5	83.9	68.9	49.9	29.7	10.4	67.7	846
15-17	100.0	99.4	95.5	88.8	79.1	62.6	43.3	28.0	8.0	65.0	846
18-20	100.0	100.0	98.6	94.4	89.1	80.0	65.1	44.6	16.3	73.5	846
21-23	100.0	100.0	99.3	95.9	92.6	87.4	78.1	59.2	27.3	79.1	846
ALL HOURS	100.0	99.8	98.5	95.2	90.9	83.1	72.0	56.4	26.4	77.3	6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO									MEAN	TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%		
00-02	100.0	100.0	99.4	99.2	97.8	96.8	90.9	75.8	29.8	83.9	930
03-05	100.0	100.0	99.8	99.6	98.2	96.7	95.3	85.7	42.7	87.0	930
06-08	100.0	100.0	100.0	99.5	98.6	97.4	96.5	88.9	40.1	87.3	930
09-11	100.0	99.9	99.5	98.6	96.3	90.8	74.4	46.8	14.4	76.5	930
12-14	100.0	99.7	98.3	92.6	80.3	59.0	34.4	20.1	4.1	63.3	930
15-17	100.0	99.6	96.2	85.5	68.5	52.2	33.8	22.7	5.7	60.7	930
18-20	100.0	99.9	98.2	93.4	84.6	71.0	52.7	35.2	11.7	69.3	930
21-23	100.0	100.0	99.4	97.7	94.9	89.0	77.8	58.2	19.2	78.4	930
ALL HOURS	100.0	99.9	98.8	95.8	89.9	81.6	69.5	54.2	21.0	75.8	7440

MONTH: APR

00-02	100.0	100.0	99.6	99.0	98.6	95.7	87.7	65.0	23.6	81.4	900
03-05	100.0	100.0	99.8	99.4	99.2	98.7	95.9	80.8	35.9	85.8	900
06-08	100.0	100.0	100.0	99.7	99.2	97.6	93.1	76.0	28.7	84.4	900
09-11	100.0	100.0	99.1	97.4	94.2	82.2	53.1	25.3	6.2	70.3	900
12-14	100.0	100.0	97.4	89.4	71.4	45.8	26.8	13.4	3.1	59.3	900
15-17	100.0	99.8	93.2	80.3	56.6	39.3	26.7	14.3	2.3	55.6	900
18-20	100.0	99.7	97.1	89.8	75.2	55.4	36.9	21.3	5.2	62.5	900
21-23	100.0	99.7	99.2	98.1	94.4	85.8	66.1	41.1	10.7	74.1	900
ALL HOURS	100.0	99.9	98.2	94.2	86.1	75.1	60.8	42.2	14.5	71.7	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LS TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	99.8	98.4	90.6	56.2	15.9	80.5	930
03-05	100.0	100.0	100.0	100.0	99.9	99.4	96.5	78.9	27.1	84.9	930
06-08	100.0	100.0	100.0	100.0	100.0	97.2	88.9	61.2	18.0	80.8	930
09-11	100.0	100.0	100.0	99.7	94.1	73.8	38.5	18.9	3.5	67.2	930
12-14	100.0	99.5	97.4	90.3	67.6	38.9	21.0	8.1	.5	57.0	930
15-17	100.0	99.7	95.5	81.1	52.9	34.6	19.9	10.9	2.7	54.1	930
18-20	100.0	99.9	98.5	92.4	74.5	52.4	30.2	19.1	4.8	61.6	930
21-23	100.0	100.0	99.7	99.5	97.4	89.7	60.8	31.8	11.3	73.6	930
ALL HOURS	100.0	99.9	98.9	95.4	85.8	73.0	55.8	35.6	10.6	70.0	7440

MONTH: JUN

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	99.4	98.0	81.0	47.2	12.9	78.3	900
03-05	100.0	100.0	100.0	100.0	100.0	99.6	94.8	72.6	19.8	83.3	900
06-08	100.0	100.0	100.0	100.0	99.8	96.9	82.4	48.7	11.2	78.2	900
09-11	100.0	100.0	99.2	98.1	91.2	65.8	31.8	12.7	2.8	64.6	900
12-14	100.0	99.8	96.9	87.3	55.9	28.8	14.9	6.9	1.8	53.7	900
15-17	100.0	99.0	91.8	72.4	40.3	21.9	13.4	7.1	1.9	49.4	900
18-20	100.0	99.8	96.6	86.3	65.7	38.2	18.9	10.1	4.4	56.4	900
21-23	100.0	100.0	99.9	99.3	96.6	79.7	50.4	21.4	7.4	69.8	900
ALL HOURS	100.0	99.8	98.0	92.9	81.1	66.1	48.5	28.3	7.8	66.7	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	99.8	98.9	93.8	73.9	36.0	7.0	75.2	930
03-05	100.0	100.0	100.0	100.0	99.9	98.3	92.0	60.1	18.4	81.1	930
06-08	100.0	100.0	100.0	100.0	99.5	96.3	80.8	38.0	8.5	76.6	930
09-11	100.0	99.9	99.7	98.0	87.3	58.9	23.7	6.9	1.9	62.0	930
12-14	100.0	99.6	96.1	79.0	53.8	21.3	8.7	3.0	.6	50.6	930
15-17	100.0	98.8	90.2	64.8	37.4	15.8	7.8	4.0	1.4	46.5	930
18-20	100.0	99.9	96.7	83.5	60.3	31.7	14.7	4.9	1.9	53.6	930
21-23	100.0	100.0	99.8	98.9	91.9	73.9	43.7	12.6	3.2	66.8	930
ALL HOURS	100.0	99.8	97.8	90.5	78.6	61.3	43.2	20.7	5.4	64.1	7440

MONTH: AUG

00-02	100.0	100.0	100.0	100.0	99.7	96.5	75.5	35.8	9.5	75.8	930
03-05	100.0	100.0	100.0	100.0	100.0	99.7	92.9	65.3	20.8	82.0	930
06-08	100.0	100.0	100.0	99.9	99.8	98.2	84.9	51.4	16.7	79.7	930
09-11	100.0	100.0	99.9	98.0	85.4	56.3	28.7	9.9	2.4	62.0	930
12-14	100.0	99.1	93.8	73.1	40.9	17.7	7.7	3.3	1.4	48.2	930
15-17	100.0	96.7	82.8	52.6	26.5	13.0	7.3	2.8	1.0	42.7	930
18-20	100.0	99.4	94.7	79.0	55.6	28.1	11.5	5.9	2.2	52.2	930
21-23	100.0	100.0	100.0	99.4	93.7	72.8	42.5	12.6	3.4	66.7	930
ALL HOURS	100.0	99.4	96.4	87.7	75.2	60.3	43.9	23.4	7.4	63.7	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP

HOURS LST	10%	20%	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								MEAN	TOTAL OBS
	30%	40%	50%	60%	70%	80%	90%					
00-02	100.0	100.0	99.2	97.7	96.8	96.2	87.9	63.7	19.3	80.7		900
03-05	100.0	100.0	100.0	98.3	97.3	97.1	95.6	83.0	39.2	85.8		900
06-08	100.0	100.0	99.6	97.9	97.6	96.9	92.8	77.8	33.8	84.3		900
09-11	100.0	99.9	97.6	94.0	87.6	70.6	44.8	21.1	5.4	66.4		900
12-14	100.0	98.3	87.9	76.8	55.3	27.7	13.9	6.6	1.8	51.3		900
15-17	100.0	97.2	82.0	65.2	41.6	21.8	12.7	6.6	1.9	47.3		900
18-20	100.0	99.7	93.4	85.6	73.7	52.9	30.6	14.7	5.7	60.0		900
21-23	100.0	99.8	98.6	97.2	94.1	86.7	67.0	34.6	10.8	73.4		900
ALL HOURS	100.0	99.4	94.8	89.1	80.5	68.7	55.6	38.5	14.7	68.6		7200

MONTH: OCT

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	99.9	99.1	98.0	96.9	94.0	86.1	49.8	87.4	930
03-05	100.0	100.0	100.0	99.5	98.7	97.7	96.7	90.8	60.6	90.2	930
06-08	100.0	100.0	100.0	99.4	98.9	98.5	96.8	91.4	58.2	90.0	930
09-11	100.0	99.8	98.8	97.1	94.7	89.8	77.3	55.7	21.0	78.2	930
12-14	100.0	98.8	95.2	90.4	81.6	63.5	39.2	19.9	5.3	63.8	930
15-17	100.0	98.9	94.4	88.2	75.3	52.6	31.8	18.3	4.6	61.0	930
18-20	100.0	99.8	98.3	95.4	92.2	84.5	67.8	45.3	14.8	74.1	930
21-23	100.0	100.0	99.2	97.6	96.2	93.5	88.1	72.6	30.6	82.7	930
ALL HOURS	100.0	99.7	98.2	95.8	91.9	84.6	74.0	60.0	30.6	78.4	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	100.0	100.0	98.2	94.8	88.8	79.3	40.7	85.6	900
03-05	100.0	100.0	100.0	99.8	98.6	95.9	90.4	82.8	47.0	86.9	900
06-08	100.0	100.0	100.0	99.9	98.3	95.3	90.6	83.8	45.6	86.7	900
09-11	100.0	100.0	100.0	99.2	96.8	91.9	85.7	67.1	25.8	81.4	900
12-14	100.0	100.0	99.9	97.8	91.9	81.9	59.9	35.4	9.7	72.3	900
15-17	100.0	100.0	100.0	98.7	92.0	80.1	61.3	39.7	11.9	73.0	900
18-20	100.0	100.0	100.0	100.0	95.6	89.8	80.3	66.6	23.2	80.3	900
21-23	100.0	100.0	100.0	99.8	97.7	92.3	86.4	74.1	32.1	83.4	900
ALL HOURS	100.0	100.0	100.0	99.4	96.1	90.3	80.4	66.1	29.5	81.2	7200

MONTH: DEC

00-02	100.0	100.0	100.0	99.4	95.5	90.3	81.2	68.3	41.9	83.1	930
03-05	100.0	100.0	100.0	98.4	94.3	89.6	83.0	71.4	42.2	83.4	930
06-08	100.0	100.0	100.0	98.7	93.9	90.6	83.7	72.3	42.8	83.7	930
09-11	100.0	100.0	99.9	96.9	92.8	86.7	77.6	66.1	32.8	80.4	930
12-14	100.0	100.0	99.8	94.9	87.8	78.0	65.8	47.5	16.0	73.8	930
15-17	100.0	100.0	99.5	96.8	90.4	79.1	66.9	51.9	20.0	75.2	928
18-20	100.0	100.0	99.9	98.8	93.7	85.8	76.1	62.9	31.8	80.0	927
21-23	100.0	100.0	100.0	99.1	95.9	88.1	79.5	67.7	37.0	81.9	927
ALL HOURS	100.0	100.0	99.8	97.9	93.0	86.0	76.7	63.5	33.1	80.2	7432

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO										TOTAL OBS
	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	
00-02	100.0	100.0	99.8	99.3	98.1	95.3	85.0	63.1	27.7	81.6	10956
03-05	100.0	100.0	99.9	99.5	98.5	96.8	92.4	77.3	37.4	85.2	10956
06-08	100.0	100.0	99.9	99.4	98.4	96.1	89.0	70.6	33.5	83.7	10956
09-11	100.0	100.0	99.4	97.7	92.5	78.7	58.0	38.1	14.7	72.6	10956
12-14	100.0	99.5	96.5	88.5	71.8	50.8	33.7	19.7	5.8	61.2	10956
15-17	100.0	99.1	93.4	81.0	62.7	45.8	32.1	20.6	6.4	58.6	10954
18-20	100.0	99.8	97.7	91.5	79.8	63.0	46.6	32.6	12.5	66.9	10953
21-23	100.0	100.0	99.6	98.5	95.3	85.8	68.3	46.0	19.0	76.0	10953
ALL HOURS	100.0	99.8	98.3	94.4	87.2	76.5	63.2	46.0	19.6	73.2	87640

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PPPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTTTT	FFFFFFFFFF
PP PP	AA AA	RR RR	TT	FF
PP PP	AA AA	RR RR	TT	FF
PPPPPPPP	AA AA	RRRRRRRR	TT	FFFFF
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	FFFFF
PP	AAAAAAAAA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF
PP	AA AA	RR RR	TT	FF

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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMEINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	1020.0	1019.1	1016.7	1018.2	1017.9	1017.3	1017.8	1016.5	1017.0	1018.4	1017.0	1020.4	1018.0
	SD	8.851	8.902	8.218	6.413	4.779	4.300	3.409	3.209	4.243	5.810	8.639	8.906	6.774
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	1020.2	1019.0	1016.6	1018.1	1018.0	1017.5	1018.0	1016.8	1017.1	1018.3	1016.8	1020.5	1018.1
	SD	8.820	9.042	8.294	6.435	4.805	4.370	3.443	3.208	4.269	5.902	8.829	8.858	6.826
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	1020.2	1019.1	1017.0	1018.6	1018.5	1018.0	1018.7	1017.5	1017.8	1018.7	1016.9	1020.6	1018.5
	SD	8.697	8.980	8.229	6.577	4.876	4.469	3.492	3.229	4.315	5.994	8.977	8.794	6.816
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	1021.0	1019.9	1017.6	1018.7	1018.4	1017.9	1018.6	1017.6	1018.0	1019.3	1017.7	1021.3	1018.8
	SD	8.786	8.959	8.223	6.630	4.856	4.462	3.521	3.235	4.345	6.015	8.888	8.864	6.855
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	1019.9	1019.2	1015.8	1017.9	1017.6	1017.2	1017.8	1016.5	1016.9	1018.4	1017.1	1020.4	1018.0
	SD	8.821	8.795	8.078	6.541	4.818	4.425	3.553	3.286	4.281	5.876	8.522	8.869	6.762
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	1019.4	1018.4	1015.9	1016.9	1016.7	1016.3	1016.7	1015.1	1015.8	1017.5	1016.7	1020.0	1017.1
	SD	8.764	8.614	7.884	6.510	4.779	4.439	3.568	3.395	4.153	5.718	8.296	8.831	6.715
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
1900	MEAN	1019.6	1018.6	1016.0	1016.8	1016.7	1016.0	1016.4	1014.8	1015.8	1017.8	1016.8	1020.2	1017.1
	SD	8.821	8.623	7.760	6.434	4.670	4.386	3.467	3.345	4.132	5.733	8.314	8.824	6.714
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
2200	MEAN	1019.8	1018.9	1016.7	1017.9	1017.7	1017.1	1017.4	1016.0	1016.7	1018.3	1017.0	1020.4	1017.8
	SD	8.881	8.731	7.926	6.457	4.653	4.276	3.361	3.299	4.140	5.825	8.456	8.856	6.710
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	1020.0	1019.0	1016.7	1017.9	1017.7	1017.2	1017.7	1016.4	1016.9	1018.3	1017.0	1020.5	1017.9
	SD	8.816	8.842	8.093	6.534	4.822	4.441	3.562	3.408	4.301	5.882	8.624	8.858	6.794
	TOT OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2477	29213

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.12	30.10	30.02	30.07	30.06	30.04	30.06	30.02	30.03	30.08	30.03	30.13	30.06
	SD	.261	.262	.242	.189	.141	.127	.101	.095	.125	.172	.255	.263	.200
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	30.13	30.09	30.02	30.07	30.06	30.05	30.06	30.03	30.04	30.07	30.03	30.14	30.07
	SD	.260	.267	.245	.190	.142	.129	.102	.094	.126	.174	.261	.261	.201
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	30.13	30.10	30.04	30.08	30.08	30.06	30.08	30.05	30.06	30.08	30.03	30.14	30.08
	SD	.257	.265	.243	.195	.144	.132	.103	.095	.127	.177	.265	.259	.201
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	30.15	30.12	30.05	30.08	30.08	30.06	30.08	30.05	30.06	30.10	30.06	30.16	30.09
	SD	.259	.264	.242	.196	.143	.132	.104	.095	.128	.177	.262	.261	.202
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	30.12	30.10	30.03	30.06	30.05	30.04	30.06	30.02	30.03	30.07	30.04	30.13	30.06
	SD	.260	.260	.238	.193	.142	.131	.105	.097	.126	.174	.251	.262	.200
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	30.11	30.08	30.00	30.03	30.03	30.01	30.02	29.98	30.00	30.05	30.02	30.12	30.04
	SD	.259	.254	.232	.192	.141	.131	.105	.100	.123	.169	.245	.260	.198
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
1900	MEAN	30.11	30.08	30.01	30.03	30.02	30.01	30.02	29.97	30.00	30.06	30.03	30.13	30.04
	SD	.261	.254	.229	.190	.138	.129	.102	.099	.122	.169	.245	.260	.198
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
2200	MEAN	30.12	30.09	30.02	30.06	30.06	30.04	30.05	30.00	30.02	30.07	30.03	30.14	30.06
	SD	.262	.258	.234	.191	.138	.126	.099	.097	.122	.172	.249	.261	.198
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	30.12	30.09	30.02	30.06	30.05	30.04	30.05	30.02	30.03	30.07	30.03	30.14	30.06
	SD	.260	.261	.239	.193	.142	.131	.105	.101	.127	.174	.254	.261	.200
	TOT OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2477	29213

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	30.08	30.05	29.98	30.03	30.02	30.00	30.01	29.98	29.99	30.03	29.99	30.09	30.02
	SD	.259	.260	.240	.189	.142	.126	.101	.094	.126	.171	.253	.261	.199
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0400	MEAN	30.08	30.04	29.97	30.02	30.01	30.00	30.02	29.98	29.99	30.02	29.98	30.09	30.02
	SD	.260	.267	.245	.190	.142	.129	.102	.095	.126	.174	.261	.261	.201
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
0700	MEAN	30.08	30.05	29.99	30.04	30.03	30.02	30.04	30.01	30.01	30.04	29.99	30.09	30.03
	SD	.255	.263	.240	.194	.145	.131	.103	.095	.128	.176	.262	.258	.200
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1000	MEAN	30.10	30.07	30.00	30.04	30.03	30.01	30.03	30.00	30.01	30.05	30.01	30.11	30.04
	SD	.259	.264	.243	.196	.143	.132	.104	.096	.128	.177	.262	.261	.202
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1300	MEAN	30.07	30.05	29.98	30.02	30.01	30.00	30.01	29.98	29.99	30.03	29.99	30.09	30.02
	SD	.258	.257	.236	.193	.143	.130	.106	.097	.127	.173	.249	.260	.198
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
1600	MEAN	30.06	30.03	29.95	29.98	29.98	29.96	29.98	29.93	29.95	30.00	29.98	30.07	29.99
	SD	.259	.254	.232	.192	.141	.131	.105	.100	.122	.170	.244	.261	.198
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
1900	MEAN	30.07	30.04	29.96	29.98	29.98	29.96	29.97	29.93	29.96	30.01	29.98	30.08	29.99
	SD	.259	.252	.227	.190	.139	.129	.103	.099	.122	.168	.243	.259	.197
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
2200	MEAN	30.07	30.04	29.98	30.01	30.01	29.99	30.00	29.96	29.98	30.02	29.98	30.09	30.01
	SD	.262	.258	.234	.191	.137	.126	.099	.097	.123	.172	.250	.261	.198
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	309	3651
ALL HOURS	MEAN	30.08	30.05	29.98	30.01	30.01	29.99	30.01	29.97	29.98	30.03	29.99	30.09	30.02
	SD	.259	.260	.238	.193	.143	.131	.105	.100	.127	.173	.253	.260	.200
	TOT OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2480	2400	2477	29213

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGG
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	GGGGGGG
PP PP	AA AA	RR RR	TT	GG GG
PP PP	AA AA	RR RR	TT	GG
PPPPPPPP	AA AA	RRRRRRRR	TT	GG
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	GG GGG
PP	AAAAAAAAA	RR RR	TT	GG GGGG
PP	AA AA	RR RR	TT	GG GG
PP	AA AA	RR RR	TT	GGGGGGG
PP	AA AA	RR RR	TT	GGGGG

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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.0	1.6	.5	930	2.7	.8	.2	930	2.7	.9	.2	930	3.4	.8	.3	930
CATEGORY B	4.2	2.1	1.2	981	3.6	1.4	.8	991	3.1	2.1	.6	1042	4.6	1.9	.7	1010

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.9	1.2	.4	930	2.9	.3		930	3.9	.5		930	5.3	1.6	.2	930
CATEGORY B	6.5	3.7	1.4	986	4.0	1.8	.6	973	6.0	2.6	.8	971	6.5	3.4	1.7	980

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.6	.7	.2	4650	3.7	1.0	.2	7440
CATEGORY B	4.8	2.4	.8	4982	4.8	2.4	1.0	7934

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLY + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.7	.2	.1	846	4.0	.8		846	5.1	.8	.1	346	5.1	.7	.1	846
CATEGORY B	3.7	1.7	1.1	899	4.6	1.9	.7	909	5.6	1.5	.6	940	6.3	2.6	1.0	924

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	5.9	.9		846	3.7	.7		846	2.7	.5		846	2.2	.2	.1	846
CATEGORY B	8.2	4.1	2.0	900	5.3	1.8	.5	868	3.3	.9	.3	879	2.5	.6	.2	885

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.5	.7	.0	4230	3.9	.6	.1	6760
CATEGORY B	5.8	2.2	.9	4511	5.0	1.9	.8	7204

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.6			930	1.7	.1		930	2.3	.1		930	4.3	.6		930
CATEGORY B	1.8	.3		954	2.1	.7	.3	981	2.3	.4	.2	1015	5.5	1.8	.5	996

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.7	1.2		930	3.1	.6		930	1.1	.1		930	1.3	.1		930
CATEGORY B	6.1	2.1	.9	975	4.4	1.6	.5	960	2.2	1.2	.2	966	1.5	.5	.2	947

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.1	.5		4650	2.5	.4		7440
CATEGORY B	4.1	1.4	.5	4912	3.2	1.1	.4	7794

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.7	.2		900	.7			900	1.1			900	2.0	.1		900
CATEGORY B	1.0	.4	.1	919	.8	.1	.1	951	1.4	.2	.1	993	2.6	.6	.1	967

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.9	.1		900	2.1	.4		900	1.1	.2	.1	900	1.1	.1	.1	900
CATEGORY B	3.8	1.3	.3	932	2.7	1.3	.4	910	2.0	.7	.1	920	1.3	.8	.4	927

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.6	.2	.0	4500	1.3	.2	.0	7200
CATEGORY B	2.5	.8	.2	4722	1.9	.7	.2	7519

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.2			930	.2			930	.2			930	.8	.1		930
CATEGORY B	.3			950	.3	.1		962	.5	.1		974	1.9	1.0		977

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.7			930	1.0	.1		930	.3			930	.2			930
CATEGORY B	2.8	.7	.4	956	1.7	.5	.3	947	1.1	.4		947	.2			937

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.8	.0		4650	.6	.0		7440
CATEGORY B	1.6	.6	.1	4801	1.1	.4	.1	7650

OPERATING LOCATION "A"
USAFETAC, ASPEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			900				900	.1			900	.7			900
CATEGORY B	.2	.1		911				922	.1			921	1.1	.1		926

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6			900	.3			900				900	.1	.1		900
CATEGORY B	1.1	.2		913	.9	.1		902	.1			907	.1	.1		911

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3			4500	.2	.0		7200
CATEGORY B	.7	.1		4569	.5	.1		7313

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1	.1	.1	930	.2			930				930				930
CATEGORY B	.2	.2	.1	942	.2			966				984				974

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A				930	.3			930	.1			930				930
CATEGORY B	.2			946	.4			934	.2	.1		937				943

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			4650	.1	.0	.0	7440
CATEGORY B	.2	.0		4775	.2	.0	.0	7626

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: AUG

.....
CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

.....
CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

.....
TIME (LST) 0000 - 0200 0300 - 0500 0600 - 0800 0900 - 1100
SPEED (KTS) GE15 GE20 GE25 OBS GE15 GE20 GE25 OBS GE15 GE20 GE25 OBS GE15 GE20 GE25 OBS
CATEGORY A 930 930 930 930
CATEGORY B 938 962 977 .3 969
.....

.....
TIME (LST) 1200 - 1400 1500 - 1700 1800 - 2000 2100 - 2300
SPEED (KTS) GE15 GE20 GE25 OBS GE15 GE20 GE25 OBS GE15 GE20 GE25 OBS GE15 GE20 GE25 OBS
CATEGORY A 930 .2 930 .1 930 .2 930
CATEGORY B .2 947 .3 945 .1 934 .2 931
.....

.....
TIME (LST) 0600 - 2000 ALL HOURS
SPEED KTS GE15 GE20 GE25 OBS GE15 GE20 GE25 OBS
CATEGORY A .1 4650 .1 7440
CATEGORY B .2 4772 .1 7603
.....

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.3			900	.3			900	.3	.1		900	.3			900
CATEGORY B	.3			930	.3			983	.3	.2	.2	987	.8	.3	.1	957

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.0			900	1.2	.2		900				900	.2			900
CATEGORY B	1.8	.5		931	1.5	.3	.1	921				921	.2			909

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.6	.1		4500	.5	.0		7200
CATEGORY B	.9	.3	.1	4717	.7	.2	.1	7539

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	.1			930	.8	.2		930	1.0			930	1.3			930
CATEGORY B	.7	.3	.1	1012	1.1	.8	.2	1072	1.0	.3	.1	1115	1.5	.5		1061

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.7	.1		930	1.5	.1		930	.5			930				930
CATEGORY B	3.7	1.5	.5	968	2.0	.9	.1	954	.7	.1		944	.1			968

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.4	.0		4650	1.0	.1		7440
CATEGORY B	1.8	.7	.1	5042	1.3	.6	.1	8094

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.0	.2		900	2.9	.6	.3	900	3.0	.9	.3	900	5.3	1.2	.2	900
CATEGORY B	3.5	1.0	.3	967	3.8	1.6	1.0	976	4.0	2.1	.8	1017	5.6	2.4	1.4	989

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	5.1	1.0	.3	900	4.7	.8	.1	900	3.9	.7		900	2.8	.7		900
CATEGORY B	8.3	3.8	1.0	965	6.5	2.8	1.0	938	5.2	2.3	.4	930	4.0	1.5	.6	941

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	4.4	.9	.2	4500	3.8	.8	.2	7200
CATEGORY B	5.9	2.7	.9	4839	5.1	2.2	.8	7723

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.4	.4		930	3.2	.6	.1	930	3.2	.9	.3	930	3.0	1.2		930
CATEGORY B	4.0	1.6	.7	1000	4.0	2.0	.4	1025	4.0	1.9	1.2	1068	4.6	2.5	1.2	1046

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.4	1.1	.2	930	2.9	1.2		928	2.4	1.3	.1	927	2.5	.5	.1	927
CATEGORY B	5.4	3.0	1.1	1015	3.7	1.9	.9	988	3.1	1.7	.8	988	2.7	.7	.4	1001

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	3.0	1.1	.1	4645	3.0	.9	.1	7432
CATEGORY B	4.2	2.2	1.1	5105	4.0	1.9	.8	8131

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 100-280

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 81 - DEC 90
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.4	.2	.1	10956	1.4	.3	.1	10956	1.6	.3	.1	10956	2.2	.4	.1	10956
CATEGORY B	1.7	.7	.3	11403	1.8	.7	.3	11700	1.9	.7	.3	12033	2.9	1.2	.4	11796

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	2.6	.5	.1	10956	2.0	.4	.0	10954	1.3	.3	.0	10953	1.3	.3	.0	10953
CATEGORY B	4.0	1.8	.6	11434	2.8	1.1	.4	11240	2.0	.8	.2	11244	1.6	.6	.3	11280

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE15	GE20	GE25	OBS	GE15	GE20	GE25	OBS
CATEGORY A	1.9	.4	.0	54775	1.7	.3	.1	87640
CATEGORY B	2.7	1.1	.4	57747	2.3	1.0	.4	92130

PPPPPPPP	AAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PPPPPPPP	AAAAAAA	RRRRRRRR	TTTTTTTTTT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PP PP	AA AA	RR RR	TT	HH	HH
PPPPPPPP	AA AA	RRRRRRRR	TT	HH	HH
PPPPPPPP	AAAAAAAAA	RRRRRRRR	TT	HH	HH
PP	AAAAAAAAA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH
PP	AA AA	RR RR	TT	HH	HH

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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 48 - DEC 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1948	783	675	601	464	259	36	26	8	125	327	607	811	4722
1949	1119	700	572	346	169	100	35	15	79	477	420	703	4735
1950	1152	710	594	459	293	102	17	13	107	365	532	555	4899
1951	758	594	684	319	233	56	18	38	74	327	555	829	4485
1952	888	656	579	338	213	127	12	10	50	172	694	699	4438
1953	516	569	571	427	314	175	23	32	76	299	463	630	4095
1954	777	604	625	435	237	193	54	47	120	341	435	717	4585
1955	759	662	702	531	353	143	68	29	150	327	684	768	5176
1956	754	822	619	344	183	161	23	39	100	383	633	733	4794
1957	1018	625	560	372	173	83	16	24	31	350	602	632	4486
1958	636	432	575	397	120	55	1	4	86	272	555	639	3772
1959	737	597	535	346	264	78	23	18	125	309	634	753	4419
1960	888	634	594	404	321	66	16	44	92	294	524	783	4659
1961	630	478	510	420	247	60	8	3	139	337	630	715	4177
1962	784	590	587	342	323	107	40	19	58	271	499	656	4278
1963	904	458	581	468	254	155	57	20	34	294	536	794	4555
1964	707	680	623	514	347	162	53	63	155	322	679	830	5135
1973	807	556	529	380	208	102	9	45	59	315	616	613	4239
1974	824	610	545	404	281	73	36	16	22	278	484	621	4194
1975	719	652	602	522	239	134	23	42	45	343	562	670	4553
1976	692	658	629	432	255	156	18	40	53	306	518	766	4523
1977	879	547	589	342	340	63	44	20	127	329	631	684	4595
1978	745	551	467	416	299	59	30	27	128	284	746	891	4643
1979	1041	611	429	355	169	61	8	1	18	207	582	***	3482
1980	906	634	574	322	243	128	17	25	62	271	479	631	4292

1981	632	570	473	359	226	110	20	6	75	340	465	669	3945
1982	767	583	491	453	215	73	23	10	92	290	596	704	4297
1983	618	474	424	361	177	83	30	2	100	305	444	871	3889
1984	691	536	415	423	263	109	8	1	76	356	530	799	4207
1985	867	651	573	312	206	58		5	123	360	813	961	4929
.....													
1986	678	569	403	429	257	43	40		146	225	495	733	4018
1987	762	538	487	308	171	49	22	3	51	208	462	786	3847
1988	787	561	534	372	265	106	32	14	81	191	512	694	4149
1989	686	594	576	256	216	76	31	23	42	298	472	745	4215
1990	654	628	468	300	258	76	8	5	12	331	481	794	4015
.....													
MEAN	787	605	552	390	245	97	25	20	83	305	559	731	
SD	141.09	83.74	72.77	66.05	56.51	41.75	16.16	16.33	40.11	58.46	93.05	88.81	

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 726980

STATION NAME: PORTLAND IAP OR
LST TO UTC: + 8

PERIOD OF RECORD: JAN 48 - DEC 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1948					5	97	98	48	55				303
1949					12	21	83	89	56				261
1950						32	101	157	36				326
1951					6	68	103	82	54	1			314
1952					10	11	133	115	76	12			357
1953					8	2	87	73	37				207
1954					2	1	16	19	8				46
1955					2	36	41	66	45				190
1956					28	7	136	81	5				257
1957				8	11	15	62	38	76				210
1958					43	86	201	190	43	2			565
1959					5	34	161	63	11				274
1960					2	33	169	80	24				308
1961					8	95	171	199	13	5			491
1962						33	111	74	33				251
1963					24	30	24	80	62				220
1964					3	2	71	63	1	1			141
1973					36	60	164	75	47				382
1974					1	62	111	147	114				435
1975					12	36	144	55	80	2			329
1976					7	23	92	62	33	4			221
1977						45	85	239	12				381
1978					6	70	147	114	20	2			359
1979					19	63	179	123	71	9		****	464
1980				2		2	146	80	37	13			280

1981	5	4	17	104	238	86		454
1982		5	110	103	137	53		408
1983		52	24	82	142	15		315
1984		10	38	146	150	50	6	400
1985		12	57	295	150	5		519
1986		41	92	59	244	53		489
1987	3	40	107	99	192	88	16	545
1988		11	40	149	118	73	9	400
1989		9	61	57	71	73	1	272
1990	3	3	48	215	201	90		560
.....								
MEAN	0	12	44	118	115	46	2	.
SD	1.70	14.06	31.56	56.90	61.14	29.00	4.29	

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A W S CLIMATIC BRIEF MAY 91	STATION NAME: PORTLAND IAP OR												FIELD ELEV: 27 FT		
	LATITUDE/LONGITUDE: 45 35 N 122 36 W												STATION MSC: 726980		
	HOURLY OBS POR: JAN 81 - DEC 90												C/LL SIGN: KPDH		
	SUMMARY OF DAY POR: JAN 26-DEC 89												SUPERSEDES: JUL 87		
HOURS SUMMARIZED: 0000 - 2300 LST															
LST TO UTC: +08															
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)		65	71	83	93	100	102	107	107	105	92	73	64	107	63
MEAN MAX TEMP (F)		44	50	55	61	68	73	79	79	74	64	53	46	62	63
MEAN TEMP (F)		39	43	47	52	58	63	68	68	63	55	46	41	54	63
MEAN MIN TEMP (F)		34	36	39	42	48	53	57	57	52	46	40	36	45	63
EXTRM MIN TEMP (F)		-2	-3	19	29	12	39	43	44	34	26	13	6	-3	63
D/W TEMP GE 85 (F)		0	0	0	1	2	4	8	8	4	1	0	0	28	63
D/W TEMP GE 75 (F)		0	0	1	2	7	12	22	22	13	3	0	0	82	63
D/W TEMP LT 33 (F)		12	7	4	1	#	0	0	0	0	1	4	8	37	63
D/W TEMP LT 20 (F)		2	1	#	0	#	0	0	0	0	0	1	1	5	63
HEATING DEGREE DAYS		787	605	552	390	245	97	25	20	83	305	559	731	4399	43
COOLING DEGREE DAYS		0	0	0	#	12	44	118	115	46	2	0	0	337	43
MEAN DEWPOINT TEMP (F)		35	35	40	42	46	50	53	54	50	47	40	33	44	10
MEAN WET BULB TEMP (F)		38	39	44	47	51	56	59	60	56	50	44	36	48	10
99.95% WCPA (FT)		650	700	650	500	350	350	250	250	350	450	700	650	500	10
MEAN REL HUM 07 LST(%)		87.1	85.6	87.3	84.4	80.8	78.2	76.6	79.7	84.3	90.0	86.7	83.7	83.7	10
MEAN REL HUM 13 LST(%)		73.5	67.7	63.3	59.3	57.0	53.7	50.6	48.2	51.3	63.8	72.3	73.8	61.2	10
MAX 24HR PRECIP (IN)		2.48	1.84	2.06	1.83	1.47	2.03	.92	1.47	2.23	1.81	2.43	3.99	3.99	63
MAX PRECIP (IN)		12.83	11.41	8.12	6.22	4.30	4.06	2.68	4.53	5.52	7.00	14.40	17.45	55.47	63
MEAN PRECIP (IN)		5.50	4.24	3.79	2.38	2.04	1.53	.50	.89	1.75	3.00	5.50	6.71	37.83	63
MIN PRECIP (IN)		.06	.78	.80	.53	.46	.02	.00	#	#	.19	.36	1.38	22.48	63
D/W PRECIP GE .01 (IN)		18	16	17	14	12	9	4	5	8	12	17	19	151	63
D/W PRECIP GT .50 (IN)		3	2	2	1	1	1	1	1	1	2	3	4	22	63
MAX 24HR SNFL (IN)		9.3	5.0	2.3	#	#	#	0	#	#	#	7.0	8.0	9.3	63
MAX SNFL (IN)		41.4	13.2	5.3	#	#	#	0	#	#	#	8.2	15.7	43.5	63
MEAN SNFL (IN)		3.6	.9	.3	#	#	#	0	#	#	#	.5	1.6	7.0	63
D/W SNFL GE .1 (IN)		2	1	1	0	0	0	0	0	0	0	1	1	6	63
D/W SNFL GE 1.5 (IN)		1	1	#	0	0	0	0	0	0	0	#	1	3	63
MAX DLY SNO DEPTH (IN)		15	14	5	0	0	0	0	0	0	0	5	11	15	63
PRVLNG WND DIR (DEG)		11-13	11-13	11-13	29-31	32-34	32-34	32-34	32-34	32-34	11-13	11-13	11-13	11-13	10
MEAN WND SPD (KTS)		8	8	7	7	6	7	7	6	6	6	8	8	7	10
MAX WND SPD (KTS)		55	59	54	44	34	30	30	33	44	75	47	50	75	63
SKY COVER GT 5/10 (%)		79.4	77.4	75.5	72.8	70.3	61.4	48.1	43.3	47.0	65.7	81.6	77.3	66.6	10
D/W THUNDERSTORMS		#	#	1	1	1	1	1	1	1	1	1	#	9	63
D/W FOG (VSBY LT 7 MI)		15	12	9	7	5	4	3	6	12	19	17	16	125	63
LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH # = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION															

		PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY													
MONTH		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
CIG LT 3000 FT AND/OR VSBY LT 3 MI	LST														
	00 - 02	26.7	23.0	12.7	9.4	5.6	9.4	6.3	3.7	8.6	17.8	25.8	27.4	14.7	10
	03 - 05	31.5	30.6	19.6	14.7	12.5	14.1	14.8	13.2	17.4	32.7	29.6	32.4	21.9	10
	06 - 08	32.7	32.5	22.3	24.0	17.7	20.8	24.1	23.2	25.9	42.0	33.6	36.0	27.9	10
	09 - 11	29.7	31.9	21.5	19.1	14.2	17.0	19.2	18.3	20.4	32.7	30.0	37.7	24.3	10
	12 - 14	23.8	23.2	13.1	11.1	5.1	6.0	6.2	5.4	8.1	12.6	21.7	29.2	13.8	10
	15 - 17	21.2	15.0	8.7	6.1	3.1	2.9	2.7	1.8	4.3	6.9	14.1	26.2	9.4	10
	18 - 20	20.5	15.4	8.7	6.0	4.0	3.9	2.2	1.0	3.6	7.5	12.7	26.4	9.3	10
	21 - 23	24.8	16.9	8.9	6.6	3.2	5.0	3.4	2.6	3.7	10.5	18.9	27.2	11.0	10
	ALL	26.4	23.6	14.4	12.1	8.2	9.9	9.9	8.6	11.5	20.3	23.3	30.3	16.5	10
CIG LT 1500 FT AND/OR VSBY LT 3 MI	00 - 02	15.2	13.2	4.7	3.3	.4	2.0	1.3	1.0	3.6	12.2	14.4	18.3	7.5	10
	03 - 05	19.2	17.6	7.6	7.2	2.5	5.1	4.1	5.4	11.1	25.9	16.6	21.9	12.0	10
	06 - 08	23.4	20.7	12.3	13.2	5.8	7.4	10.0	12.5	18.9	34.4	21.2	24.8	17.0	10
	09 - 11	20.9	20.8	7.1	6.4	1.7	3.2	3.5	4.7	10.9	24.4	16.1	25.4	12.1	10
	12 - 14	11.6	10.8	2.0	1.2	.3	.9	.3	1.0	2.0	5.4	8.2	17.0	5.1	10
	15 - 17	7.7	5.6	2.2	.8	.8	.4	.4	.3	1.8	1.7	4.4	14.1	3.3	10
	18 - 20	7.4	5.8	1.5	.7	.4	.9	.3	.5	.9	2.0	4.6	14.3	3.3	10
	21 - 23	11.9	7.2	2.2	1.1	.3	1.3	.5	.4	1.3	4.9	7.6	15.9	4.5	10
	ALL	14.7	12.7	4.9	4.2	1.5	2.7	2.6	3.2	6.3	13.9	11.6	19.0	8.1	10
CIG LT 1000 FT AND/OR VSBY LT 2 MI	00 - 02	11.1	7.4	2.3	2.0	.1	.9	.4	.5	2.3	8.8	10.0	13.5	4.9	10
	03 - 05	15.3	12.2	4.3	3.3	1.1	2.1	2.3	1.9	6.9	20.8	10.9	15.9	8.1	10
	06 - 08	18.1	16.0	8.7	8.0	2.8	3.0	4.9	7.1	12.2	28.3	12.9	18.3	11.7	10
	09 - 11	13.9	13.1	3.9	2.2	.3	.4	1.0	1.7	5.1	16.8	9.7	17.5	7.1	10
	12 - 14	5.9	4.5	.9	.2	.0	.0	.1	.2	.4	2.3	2.4	10.3	2.3	10
	15 - 17	4.4	1.3	.6	.0	.1	.1	.0	.2	.4	.1	.8	9.7	1.5	10
	18 - 20	3.8	1.5	.1	.1	.0	.2	.0	.2	.1	.6	1.9	9.4	1.5	10
	21 - 23	7.8	4.1	.6	.2	.3	.0	.0	.1	.2	2.7	5.7	12.2	2.8	10
	ALL	10.0	7.5	2.7	2.0	.6	.8	1.1	1.5	3.5	10.0	6.8	13.4	5.0	10
CIG LT 200 FT AND/OR VSBY LT 1/2 MI	00 - 02	6.0	3.7	.6	.1	.0	.1	.0	.0	.4	3.8	4.0	2.8	1.8	10
	03 - 05	7.0	7.0	1.7	.9	.0	.4	.1	.1	.9	9.4	5.7	3.9	3.1	10
	06 - 08	8.0	7.9	4.8	1.4	.0	.1	.1	.0	1.1	11.6	5.3	4.5	3.7	10
	09 - 11	4.2	4.0	1.1	.0	.0	.0	.0	.0	.0	1.7	3.3	3.2	1.5	10
	12 - 14	.9	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.2	10
	15 - 17	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.1	10
	18 - 20	1.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.1	1.9	.3	10
	21 - 23	2.5	1.5	.1	.0	.0	.0	.0	.0	.0	.6	1.3	3.0	.7	10
	ALL	3.8	3.1	1.0	.3	.0	.1	.0	.0	.3	3.4	2.5	2.7	1.4	10
HURRICANES/TROPICAL STORMS OBSERVED : NONE															
REMARKS : @															

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